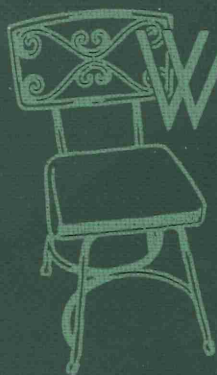


MODERN



WROUGHT IRON



FURNITURE

NED FRISBIE

**MODERN  
WROUGHT IRON  
FURNITURE**

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**THE BRUCE PUBLISHING COMPANY  
MILWAUKEE**

To J. J. J.

## **Preface**

This book should make a definite contribution to the vocational, industrial arts, and farm shops which are always in need of additional projects.

It offers many a rich and varied experience in the field of welding. Economical projects which can be completed in a short time help to keep the interest of the student at a high level. The 40 projects shown in this book have been made by many boys. It is suggested that the students be encouraged to modify the design to enrich their learning experiences.

The projects are listed progressively, starting with the easiest to the more difficult. A bill of materials, photograph, and an outline of procedure are included with each working drawing.

It must be emphasized that the use of these projects in teaching welding is to make the job more enjoyable for the teacher and to provide a more pleasant learning situation for the students.

NED FRISBIE

## **Acknowledgments**

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Special gratitude is given to my wife, Jackie, for her constant help with the preparation of this text.

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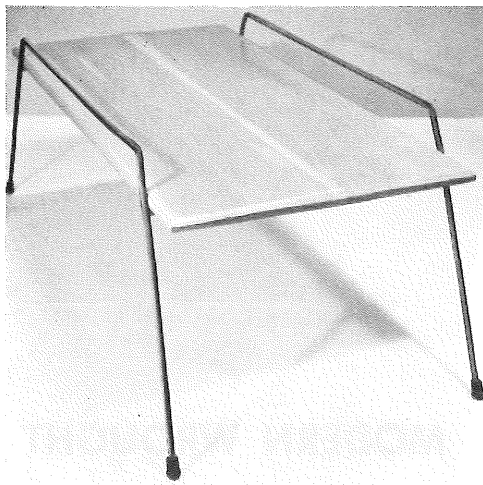
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# **MODERN WROUGHT IRON FURNITURE**



## 1. Coffee Table



This coffee table is a good project for beginners, consisting of just four bends and four welds.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Round x 60"	Legs
Mild Steel	2	$\frac{3}{8}$ " Round x 18"	Braces
Wood	1	$\frac{3}{4}$ " x 18" x 36"	Top
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Bend the two legs.
3. Weld the two cross members to the legs.
4. File all the beads.
5. Drill two holes in each cross member for fastening the wood top.
6. Paint the wrought iron flat black.
7. Square the wood and chamfer the edges.
8. Finish the wood to your individual preference.
9. Fasten the wood to the frame with screws.
10. Put on the rubber cane tips.

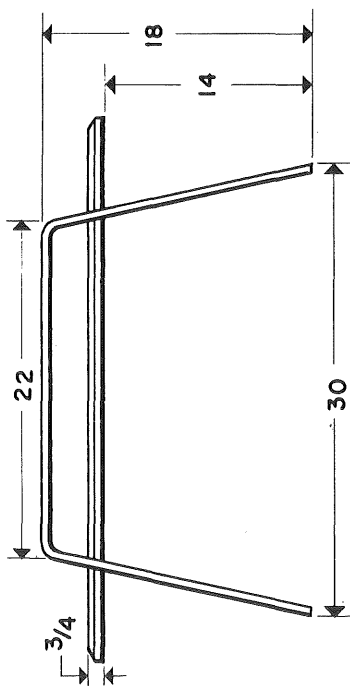
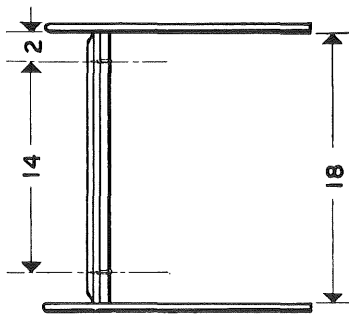
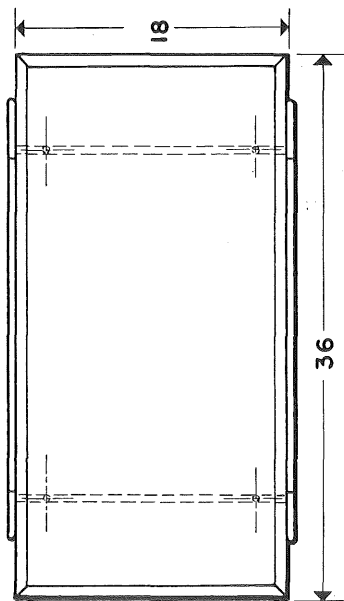
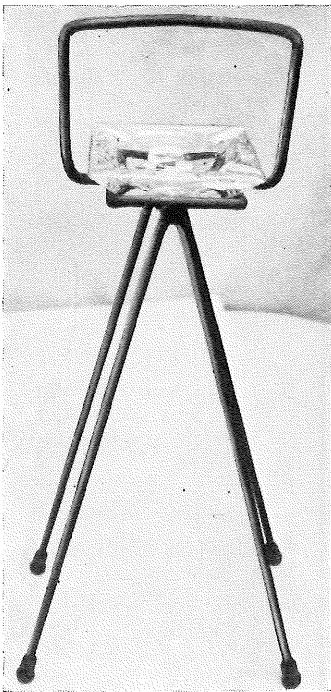


Plate 1. Coffee Table

## 2. Ash Tray



This modern ash tray will be popular in any home.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	4	$\frac{3}{8}$ " Round x 4"	Tray Holder
Mild Steel	4	$\frac{3}{8}$ " Round x 20"	Legs
Mild Steel	1	$\frac{3}{8}$ " Round x 18"	Handle
...	1	...	Ash Tray
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Weld each pair of legs into a V as shown.
3. Weld the 4-inch pieces into a square.
4. Bend and weld the handle to the square.
5. Weld the legs to the square.
6. File all the beads.
7. Paint the wrought iron flat black.
8. Put the cane tips on the legs.

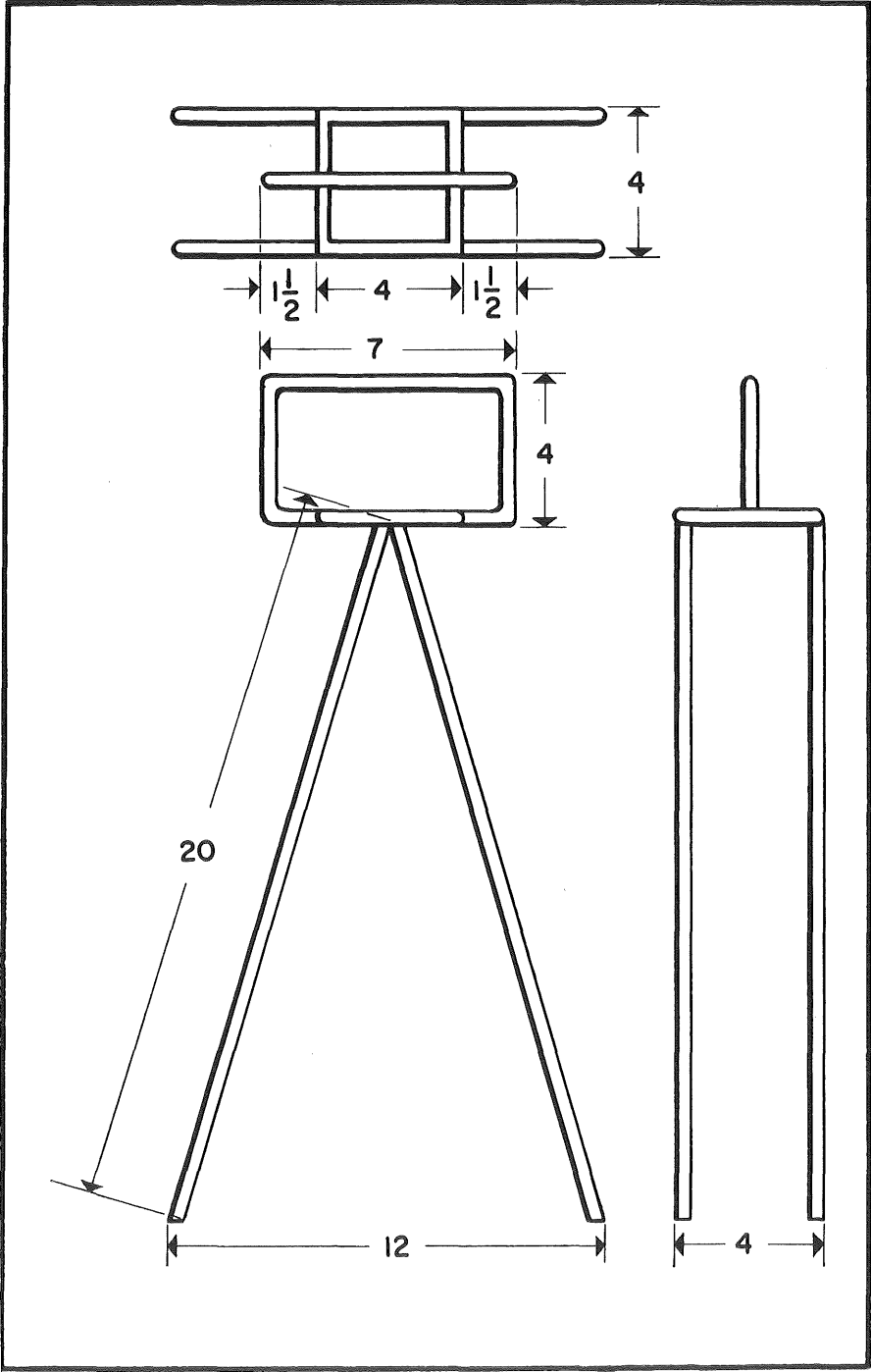
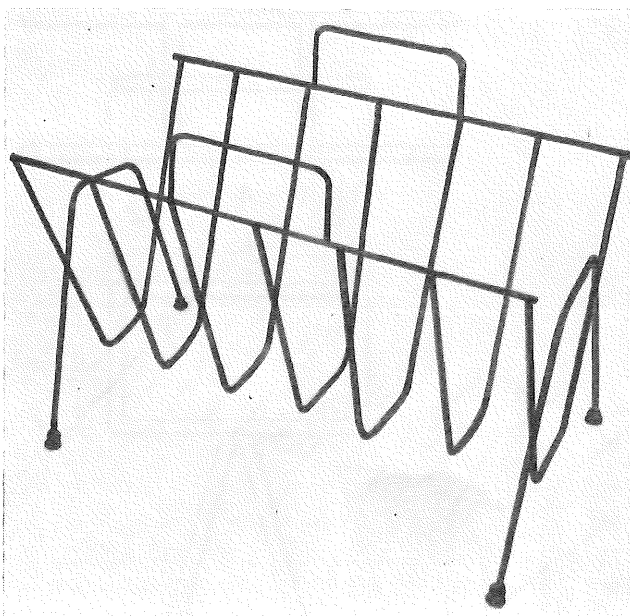


Plate 2. Ash Tray

### 3. Magazine Rack



Magazine racks are a must in every home. This rack will make an outstanding Christmas gift.

#### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	9	$\frac{1}{4}$ " Round x 24"	Legs and Bottoms
Mild Steel	2	$\frac{1}{4}$ " Round x 18"	Top Bars
Mild Steel	2	$\frac{1}{4}$ " Round x 10"	Handles
Rubber Cane Tips	4	$\frac{1}{4}$ "	...

#### PROCEDURE:

1. Study the drawing.
2. Bend the bottom pieces and legs to the same shape as shown.
3. Weld seven of these pieces to the top bars.
4. Weld the legs to the sides.
5. Bend the handles as shown.
6. Weld the handles to the top bars.
7. File all the beads.
8. Paint the wrought iron flat black.
9. Put on the rubber cane tips.

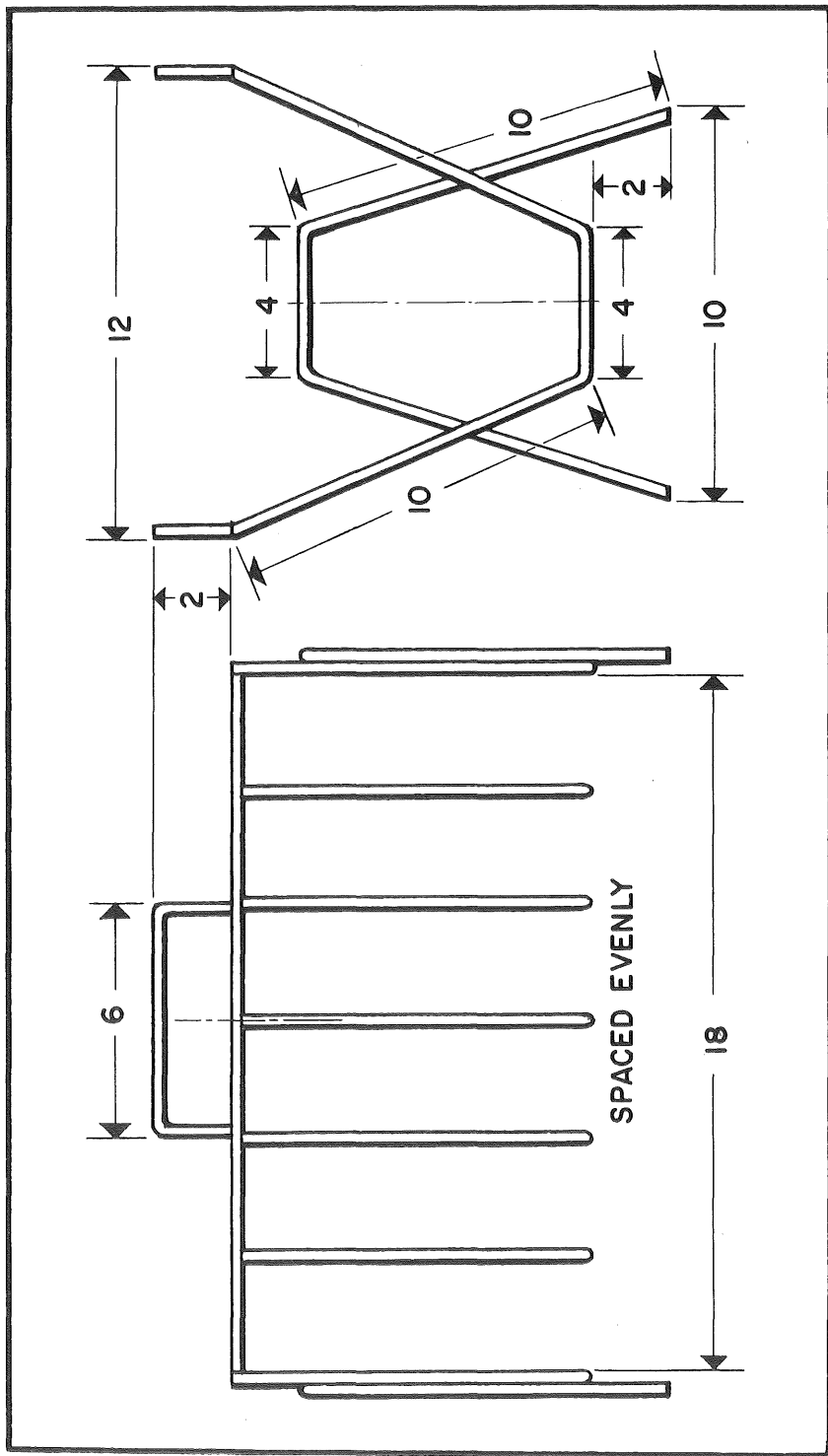
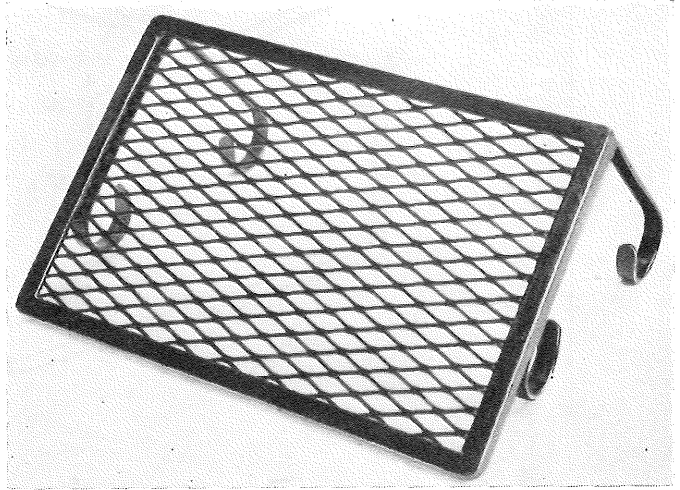


Plate 3. Magazine Rack

## 4. Phone Rack



Put your telephone at a convenient height on any wall in your house with this phone rack.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Angle Iron	1	$\frac{1}{8}'' \times \frac{1}{2}'' \times \frac{1}{2}'' \times 42''$	Top Frame
Expanded Metal	1	$8'' \times 12''$	Top
Mild Steel	2	$\frac{1}{8}'' \times \frac{1}{2}'' \times 20''$	Scrolls

### PROCEDURE:

1. Study the drawing.
2. Cut 45-degree angles out of the angle iron for the corners.
3. Bend the angle iron into a rectangle as shown.
4. Weld the corners.
5. Weld the expanded metals to the top frame.
6. Grind both ends of the braces round.
7. Bend the braces to the forms shown.
8. Weld the braces to the top frame.
9. File all the beads.
10. Paint the wrought iron flat black,

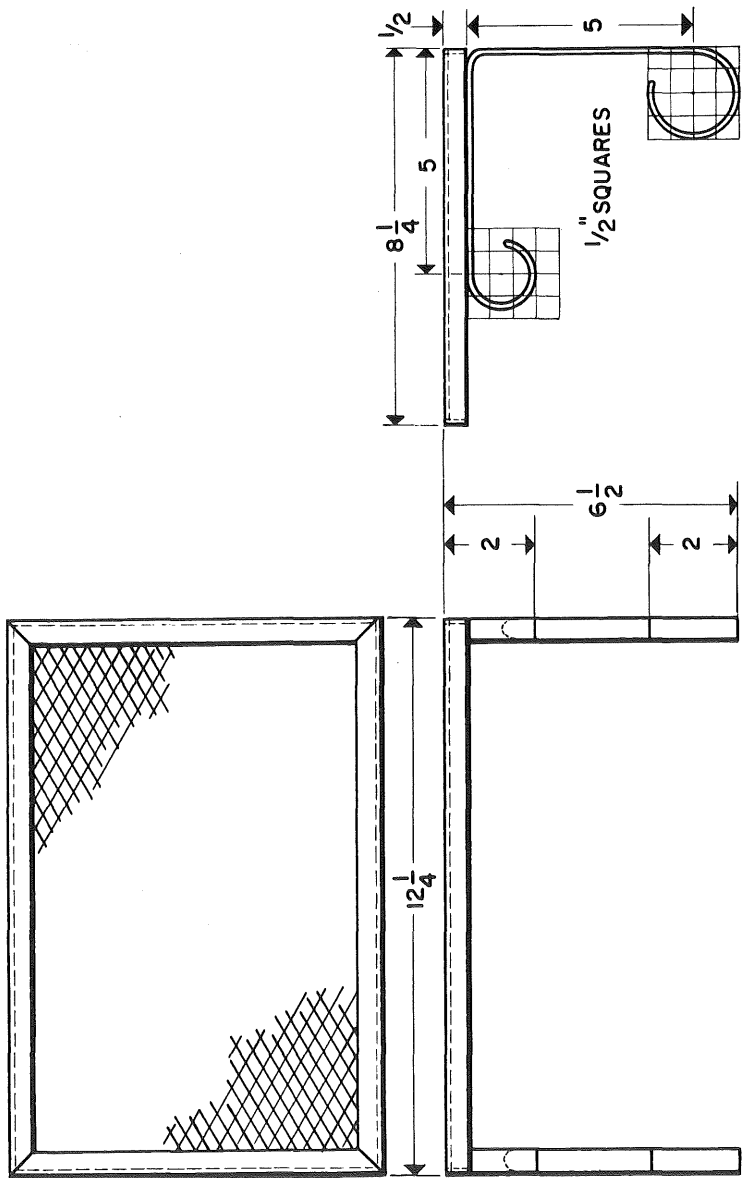
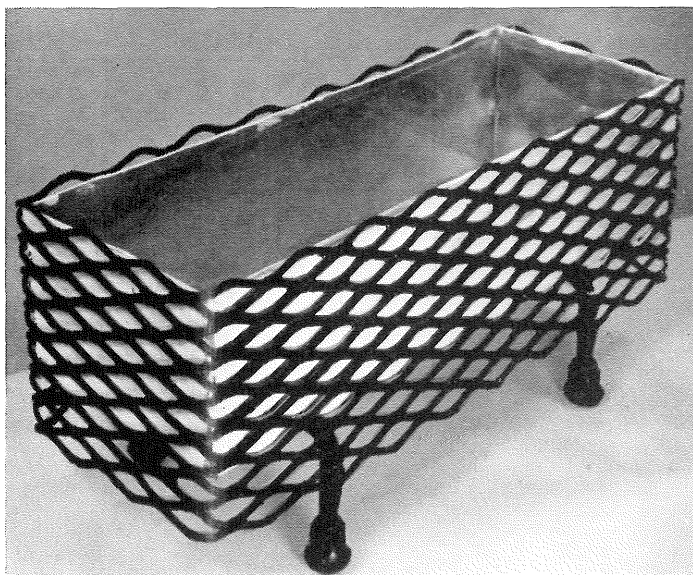


Plate 4. Phone Rack



## 5. Planter



Here is a planter any woman would love to have in her home.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{1}{4}$ " Round x 8"	Legs
Expanded Metal	1	4" x 32 $\frac{1}{2}$ "	Shell
Sheet Metal	1	10 $\frac{1}{2}$ " x 18 $\frac{1}{2}$ "	Liner
Rubber Cane Tips	4	$\frac{1}{4}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Weld the expanded metal, making the welds on the inside.
3. Bend the legs.
4. Weld the legs to the expanded metal.
5. Lay out the sheet metal as shown on the drawing.
6. Cut out, bend, then solder the sheet metal.
7. File all the beads.
8. Paint the expanded metal shell and the legs satin black.

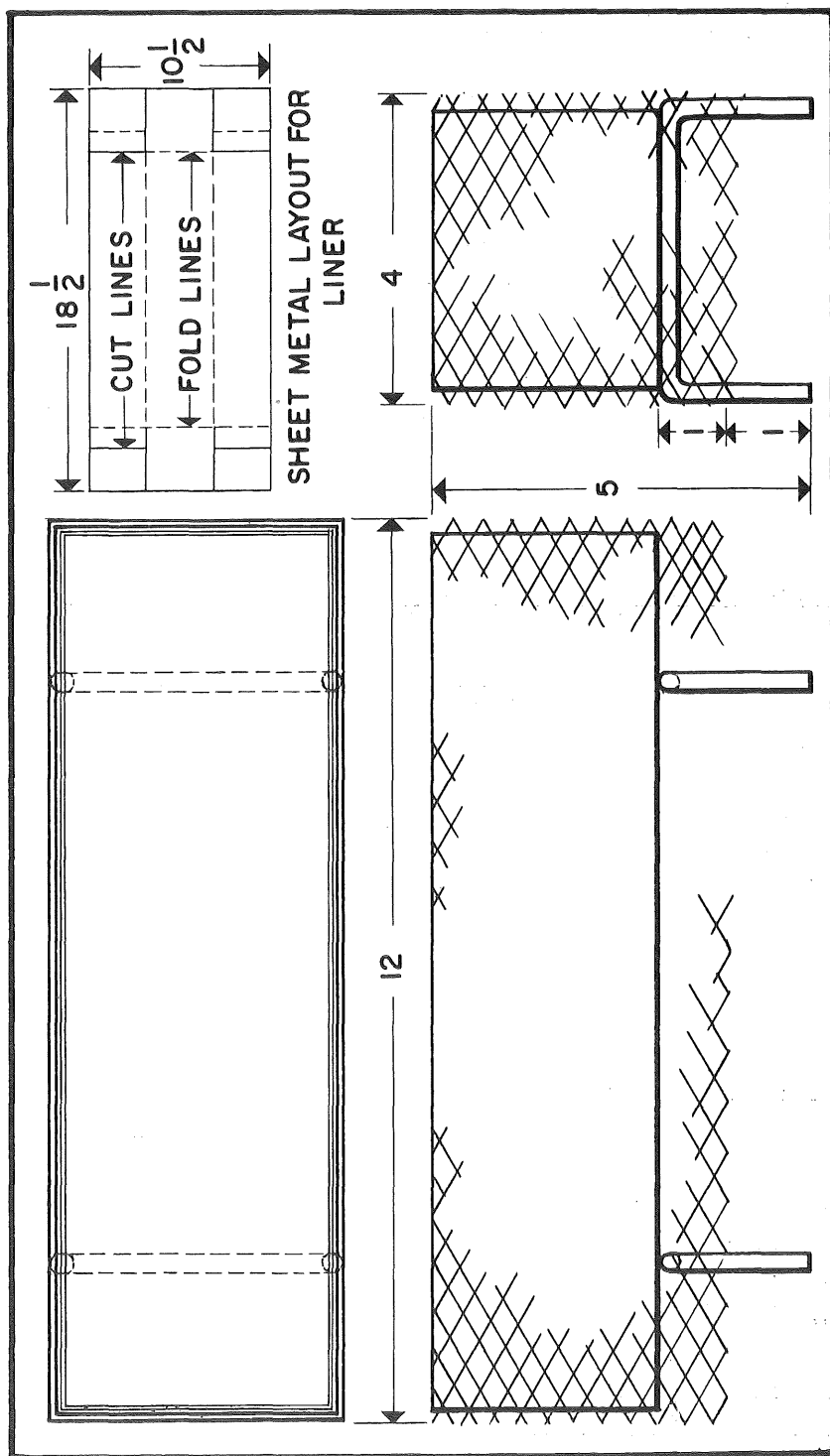
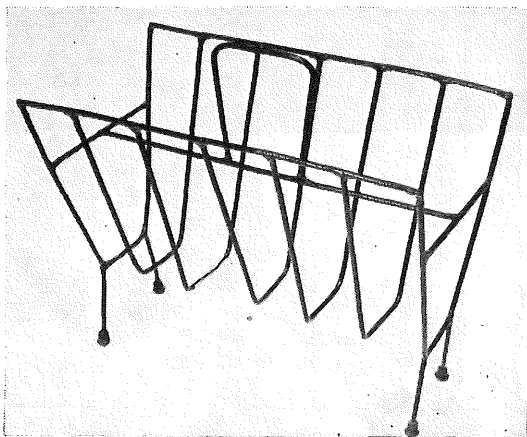


Plate 5. Planter

## 6. Magazine Rack



Here is another magazine rack to help solve your storage problem.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	7	$\frac{1}{4}$ " Square x 24"	Bottom
Mild Steel	2	$\frac{1}{4}$ " Square x 18"	Top Bars
Mild Steel	1	$\frac{1}{4}$ " Square x 17 $\frac{1}{2}$ "	Middle Bar
Mild Steel	4	$\frac{1}{4}$ " Square x 4"	Legs
Mild Steel	2	$\frac{1}{4}$ " Square x 8"	End Braces
Mild Steel	1	$\frac{1}{4}$ " Square x 16"	Handle
Rubber Cane Tips	4	$\frac{1}{4}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Bend the seven bottom pieces to the same shape as shown.
3. Weld the top pieces to the bent sides.
4. Weld in the end braces and the centerpieces.
5. Bend the handle.
6. Weld the handle to the center.
7. Weld on the four legs.
8. File all the beads.
9. Paint the wrought iron gloss black.
10. Put on  $\frac{1}{4}$ -inch rubber cane tips.

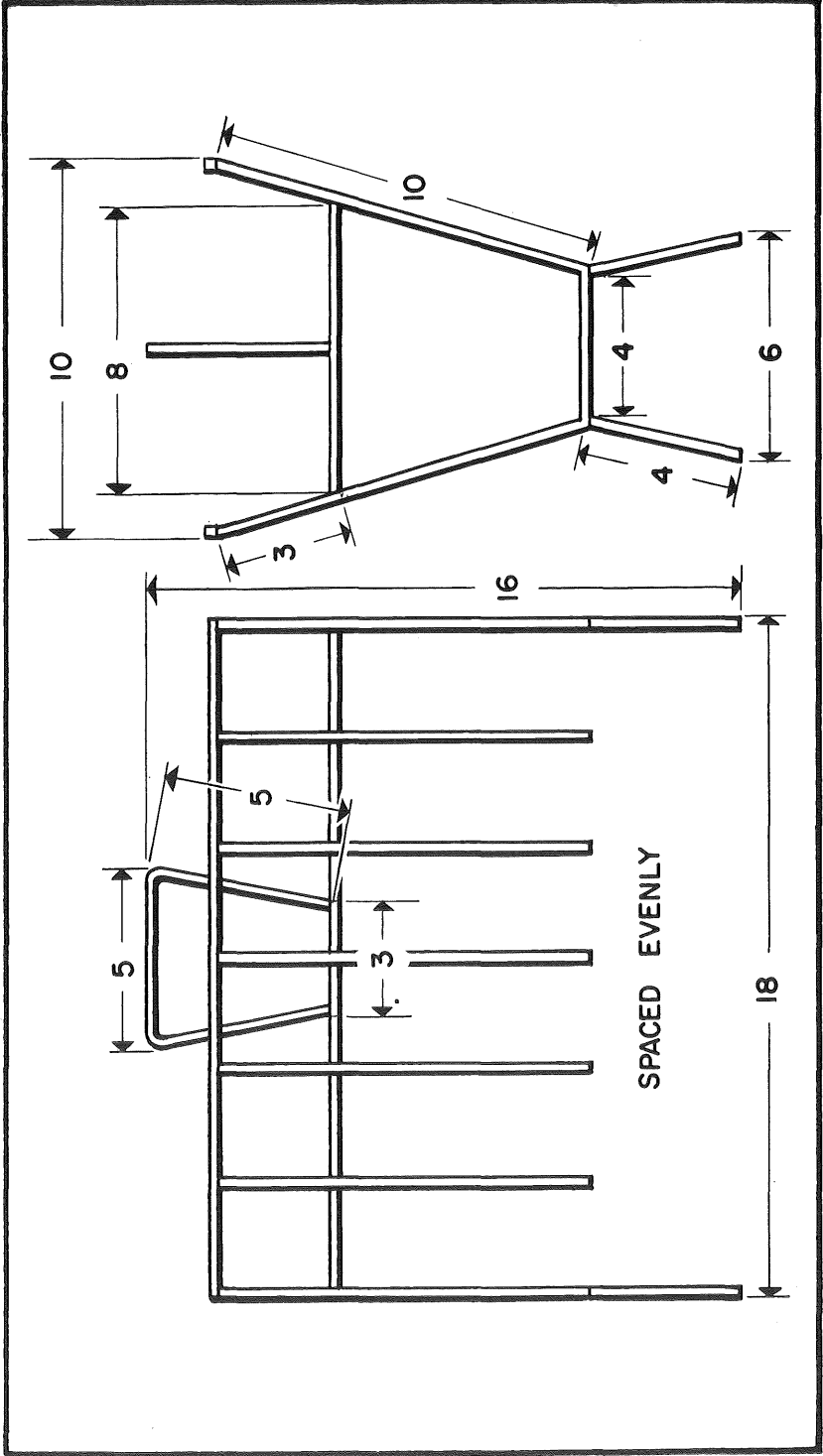
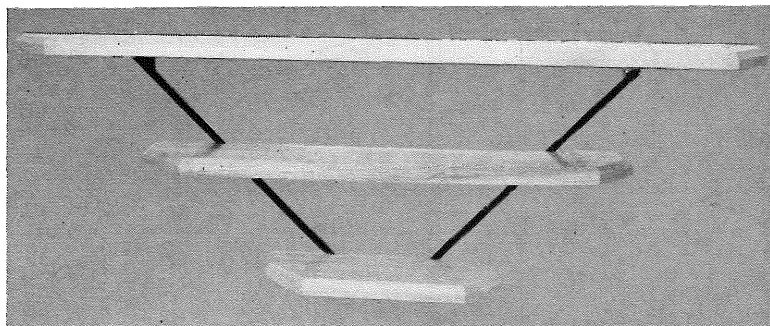


Plate 6. Magazine Rack

## 7. Wall Shelf



Display your souvenirs on a wrought iron wall shelf.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	1	$\frac{3}{8}$ " Round x 36"	Back
Mild Steel	6	$\frac{3}{8}$ " Round x $4\frac{1}{2}$ "	Shelf Supports
Wood	1	$\frac{3}{4}$ " x $4\frac{1}{2}$ " x 12"	Bottom Shelf
Wood	1	$\frac{3}{4}$ " x $4\frac{1}{2}$ " x 24"	Middle Shelf
Wood	1	$\frac{3}{4}$ " x $4\frac{1}{2}$ " x 36"	Top Shelf

### PROCEDURE:

1. Study the drawing.
2. Bend the backpiece.
3. Bend the shelf supports.
4. Weld the shelf supports to the backpiece.
5. File all the welds.
6. Paint the wrought iron satin black.
7. Square the wood and chamfer the edges.
8. Drill the holes in the wood to conform to the shelf supports.
9. Finish the wood to your individual preference.

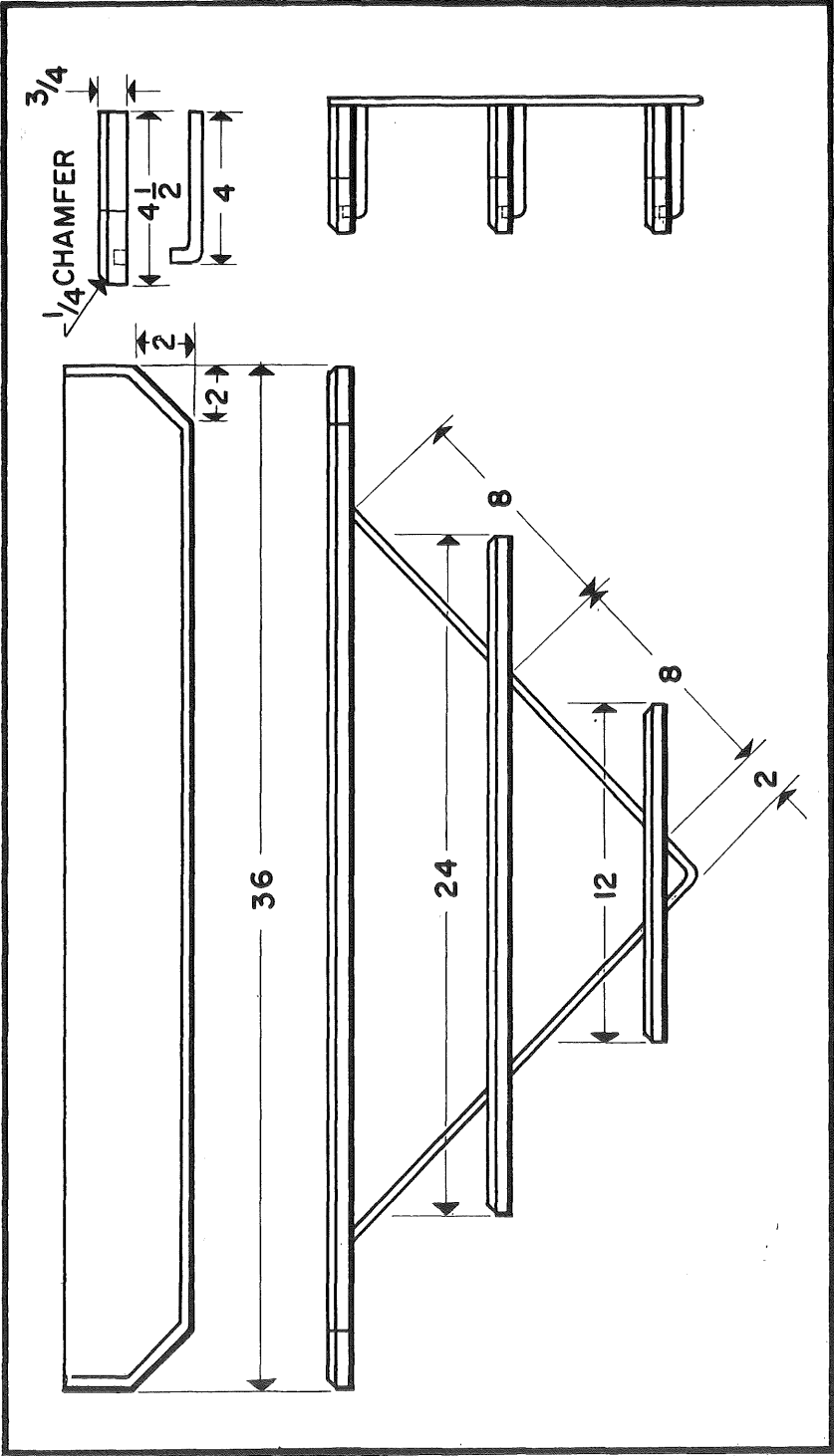
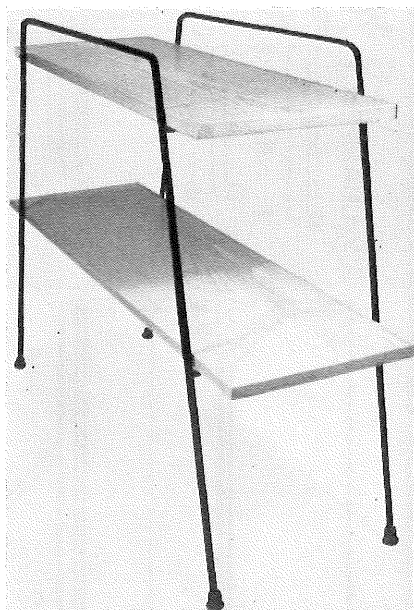


Plate 7. Wall Shelf

## 8. Plant Stand



This attractive plant stand can be used as a modern room divider.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Round x 70"	Legs
Mild Steel	4	$\frac{3}{8}$ " Round x 12"	Braces
Wood	1	$\frac{3}{4}$ " x 12" x 30"	Top
Wood	1	$\frac{3}{4}$ " x 12" x 36"	Bottom
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Bend the two legs.
3. Weld the four braces to the legs.
4. Drill two holes in each cross member.
5. File all the beads.
6. Paint the wrought iron flat black.
7. Square the wood.
8. Finish the wood to your individual preference.
9. Fasten the wood to the frame with screws.
10. Put on the rubber cane tips.

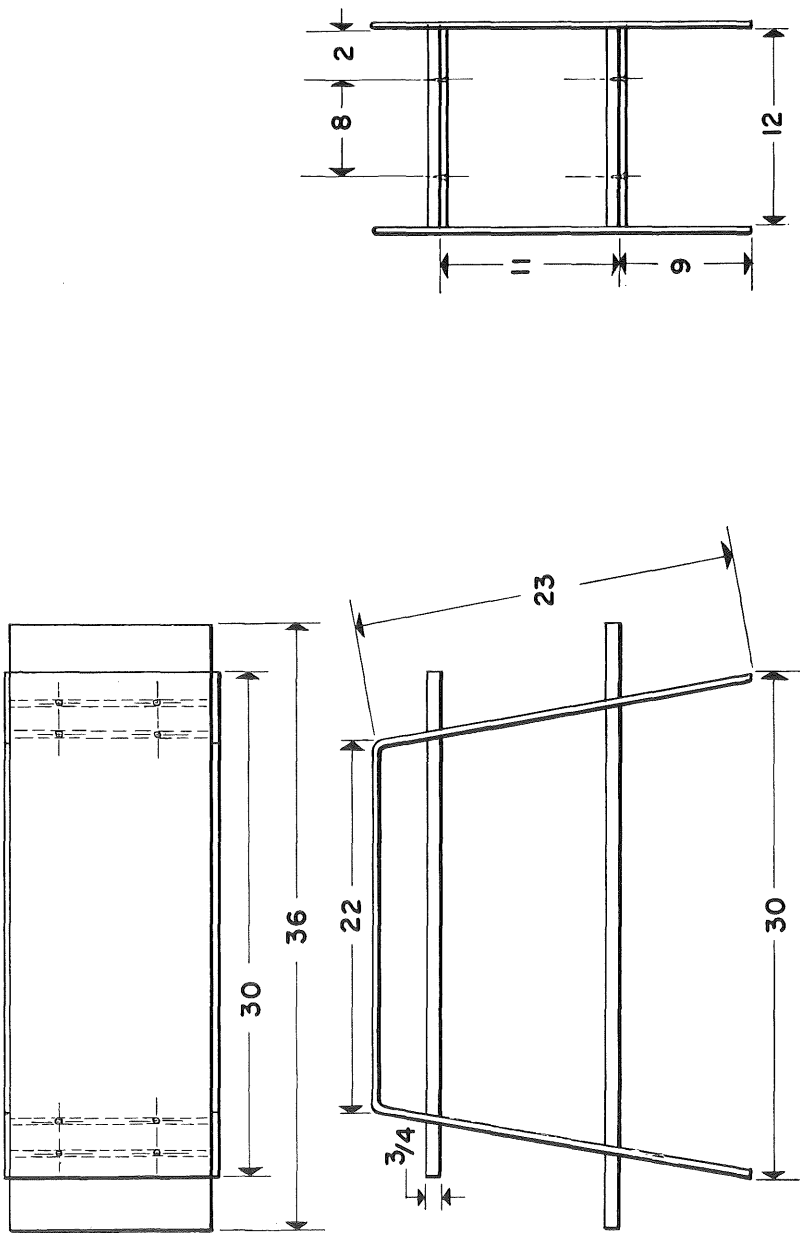


Plate 8. Plant Stand



## 9. Tea Table



Here is a tea table to match the swivel chair (Project 31). What little girl wouldn't be thrilled with this set?

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Round x 54"	Legs
Mild Steel	2	$\frac{1}{8}$ " Round x 28"	Top Frame
Wood	1	$\frac{3}{4}$ " x 18" x 36"	Top
Formica	1	18" x 36"	Top Surface
Chrome	1	1" x 108"	Edge
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

### PROCEDURE:

1. Study the plan.
2. Bend the legs.
3. Weld the braces to the legs.
4. Drill holes in the braces for the screws.
5. File all the beads.
6. Paint the wrought iron flat black.
7. Square the wood.
8. Glue the Formica to the wood.
9. Round off the corners of the tops.
10. Put the chrome around the edge.
11. Screw the legs to the top.
12. Put on the rubber cane tips.

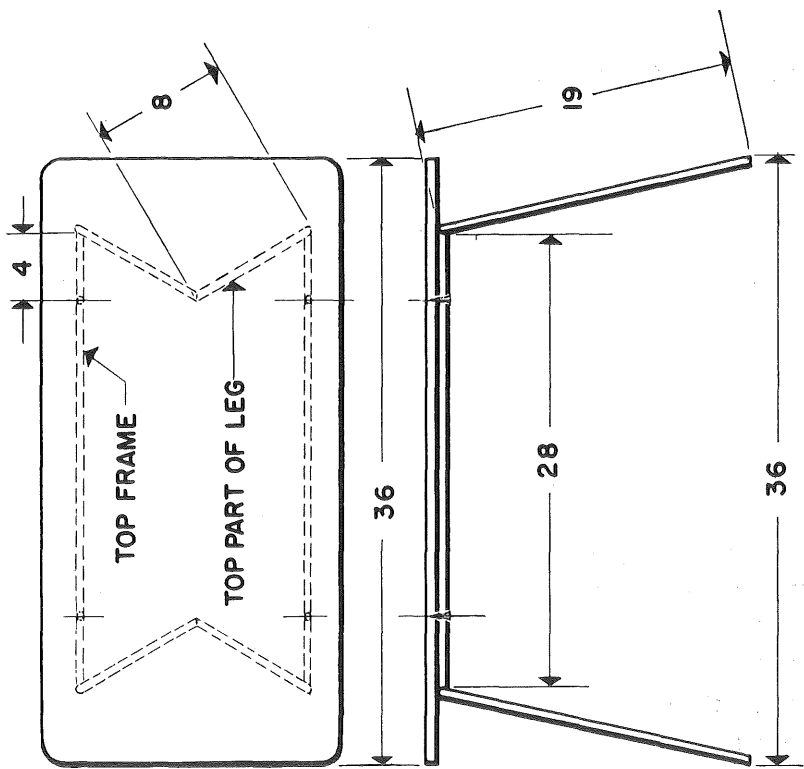
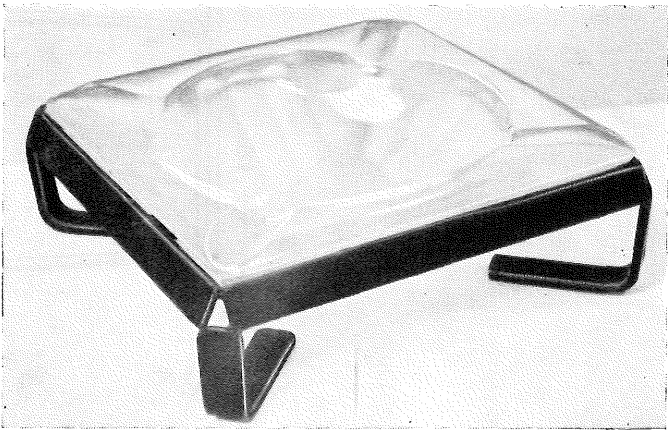


Plate 9. Tea Table

# 10. Ash Tray



This is an ash tray for your end table or coffee table.

## MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	4	1/8" x 1/2" x 6"	Square
Mild Steel	4	1/8" x 1/2" x 3"	Legs
Glass	1	6" x 6"	Ash Tray

## PROCEDURE:

1. Study the drawing.
2. Weld the square together.
3. Bend the legs.
4. Weld the legs to the square.
5. File all the welds.
6. Paint the wrought iron flat black.

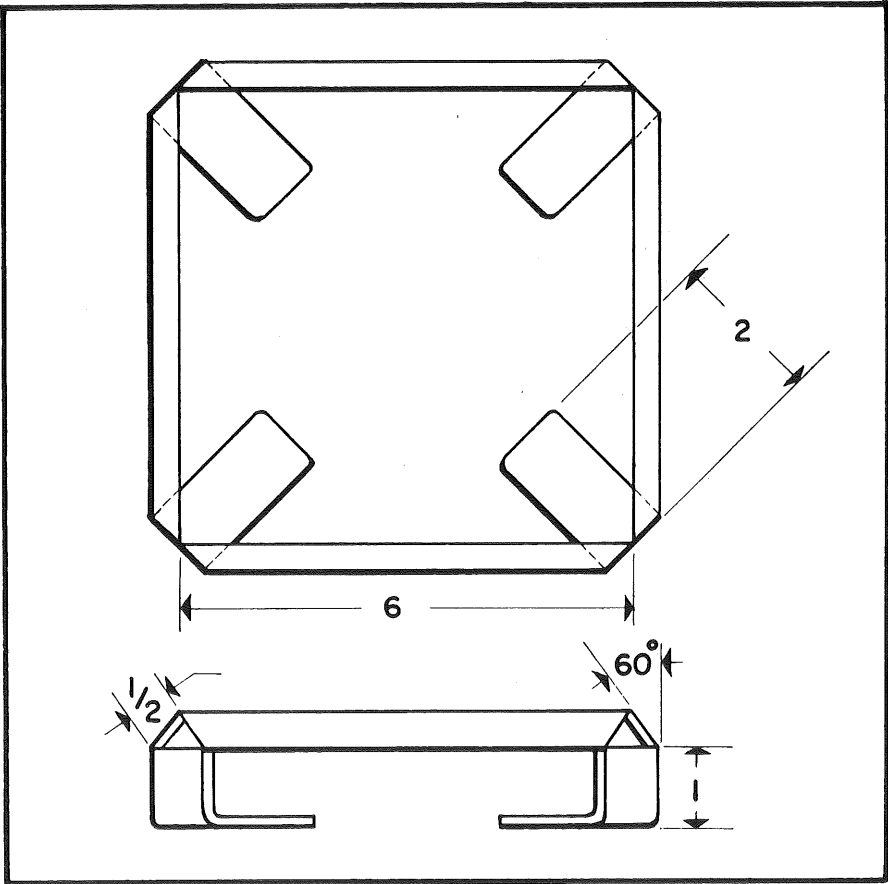
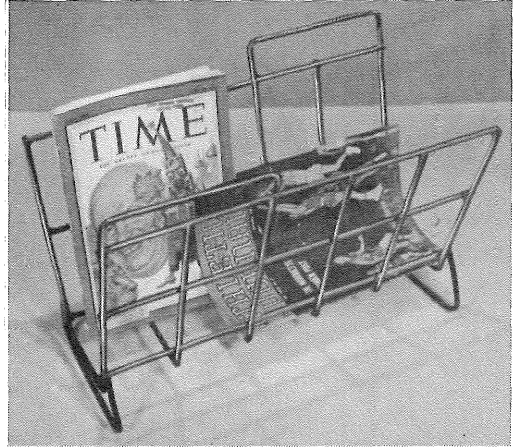


Plate 10. Ash Tray

## 11. Magazine Rack



Here is another magazine rack that will be a welcome addition in any home.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{1}{4}$ " Round x 12"	Handles
Mild Steel	2	$\frac{1}{4}$ " Round x 16"	Legs
Mild Steel	6	$\frac{1}{4}$ " Round x 24"	Bottom
Mild Steel	6	$\frac{1}{4}$ " Round x 18"	Cross Members

### PROCEDURE:

1. Study the drawing.
2. Bend the six bottom pieces.
3. Weld the cross members to the bottom pieces.
4. Bend the legs.
5. Bend the handles.
6. Weld on the handles and the legs.
7. File all the beads.
8. Paint the wrought iron flat black.

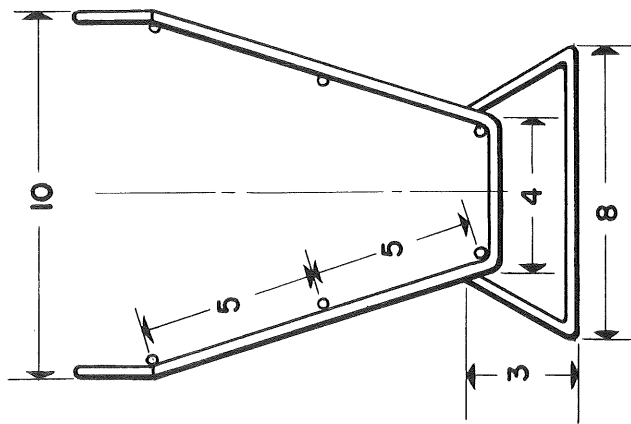
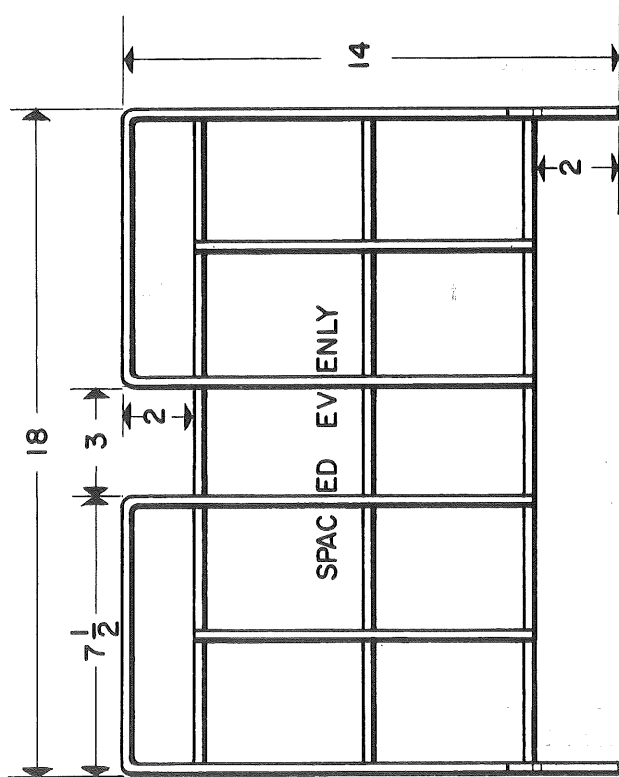


Plate 11. Magazine Rack

# 12. Table Lamp



This attractive lamp is easy to make and yet very useful around the house.

## MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	4	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 30"	Scrolls
Pipe	1	$\frac{1}{8}$ " I.D. x 14"	Stem
Lamp Socket	1	...	...
Plug and Cord	1	...	...
Lamp Shade	1	...	...

## PROCEDURE:

1. Study the drawing.
2. Bend the scrolls in a bending jig.
3. Cut, then thread the pipe.
4. Weld the pipe to the scrolls.
5. File all the beads.
6. Paint the wrought iron flat black.
7. Put on the socket and the plug.

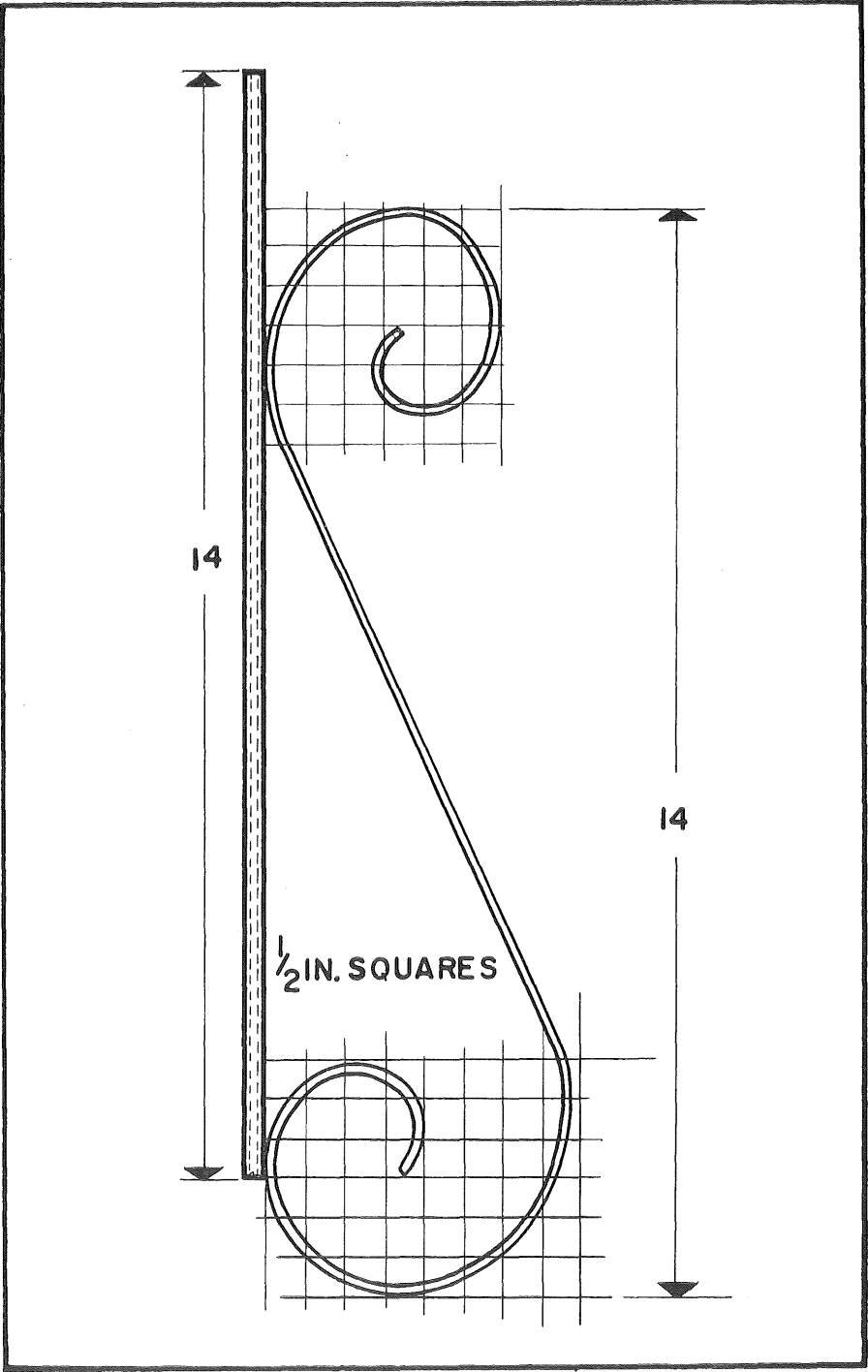
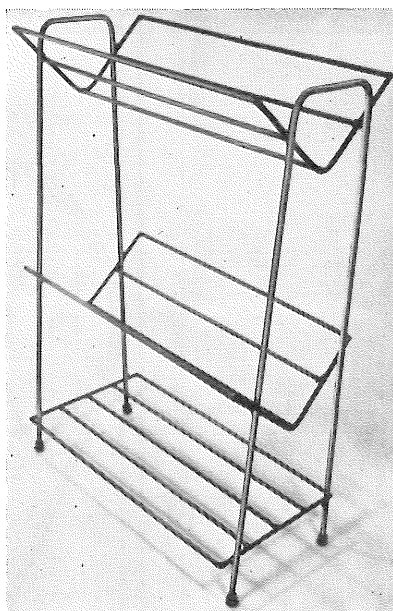


Plate 12. Table Lamp



## 13. Book Rack



Why not make a wrought iron book shelf for your reading needs?

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Round x 60"	Legs
Mild Steel	15	$\frac{1}{4}$ " Round x 18"	Shelves
Mild Steel	2	$\frac{1}{4}$ " Round x 10"	Bottom Ends
Mild Steel	4	$\frac{1}{4}$ " Round x 14"	Shelf Ends
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Bend the legs.
3. Bend the shelf ends.
4. Weld all the cross members to the shelf ends.
5. Weld the shelves to the legs.
6. File all the welds.
7. Paint the wrought iron satin black.
8. Put on the rubber cane tips.

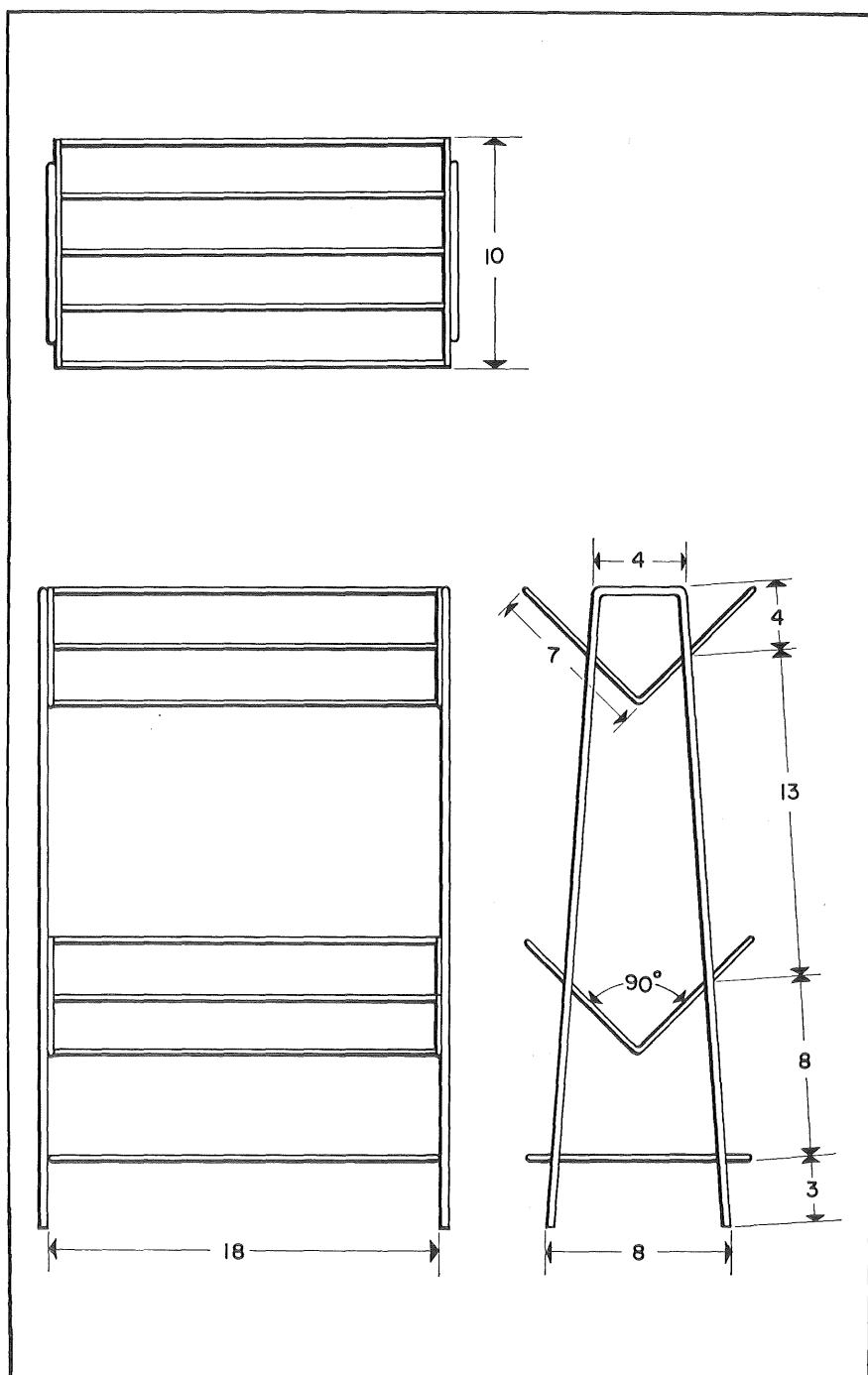


Plate 13. Book Rack

## 14. Magazine Rack



Here is an additional magazine rack you need in your home.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	4	$\frac{3}{8}$ " Round x 18"	Horizontal Bars
Mild Steel	2	$\frac{3}{8}$ " Round x 13"	Handle Uprights
Mild Steel	4	$\frac{3}{8}$ " Round x 17"	Legs
Mild Steel	3	$\frac{1}{4}$ " Round x 24"	Bottom Pieces
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Weld the legs into the "X."
3. Weld the handle and the uprights to the legs.
4. Weld on the four horizontal bars.
5. Bend the bottom pieces.
6. Weld the bottom pieces in place.
7. File all the welds.
8. Paint the wrought iron flat black.
9. Put on the rubber cane tips.

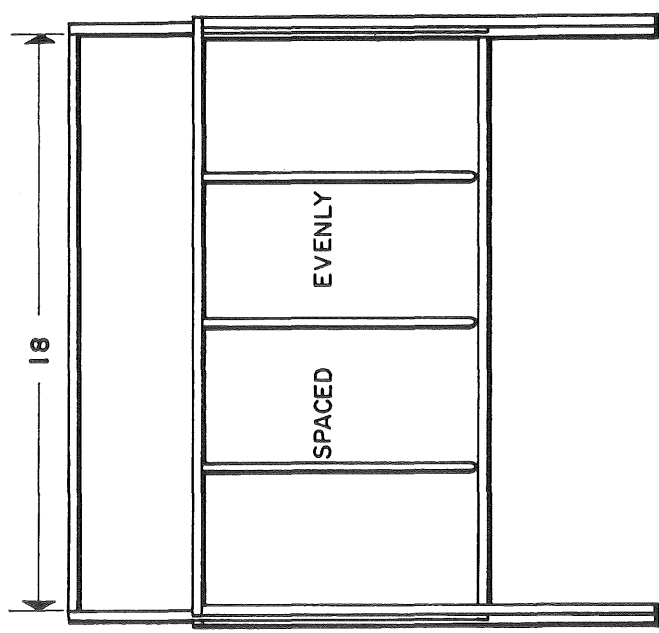
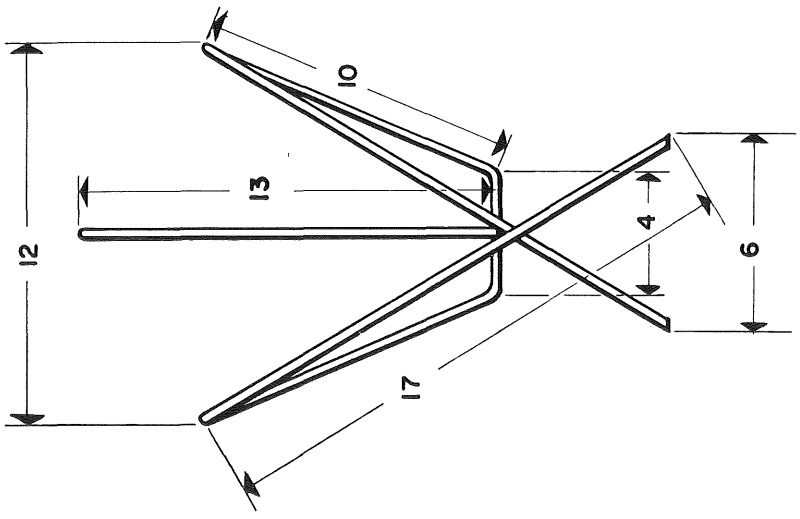
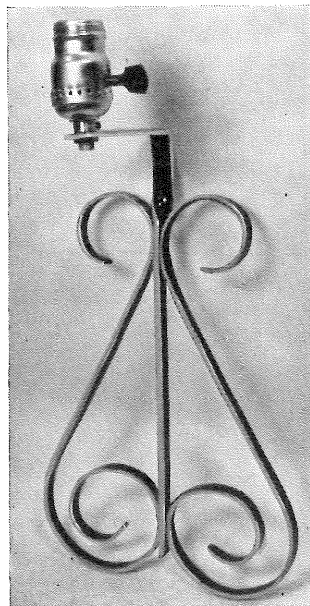


Plate 14. Magazine Rack

## 15. Pin-Up Lamp



This pin-up lamp would look very nice above your bed.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 29"	Scrolls
Mild Steel	1	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 20"	Center
Lamp Socket	1	...	...
Lamp Cord	1	...	...

### PROCEDURE:

1. Study the drawing.
2. Round off both ends of the scrolls and the centerpiece.
3. Bend the scrolls to the desired shape.
4. Twist the centerpiece as shown.
5. Drill a  $\frac{3}{8}$ -inch hole for the socket in the centerpiece.
6. Weld the center to the scrolls.
7. File all the beads.
8. Paint the wrought iron satin black.

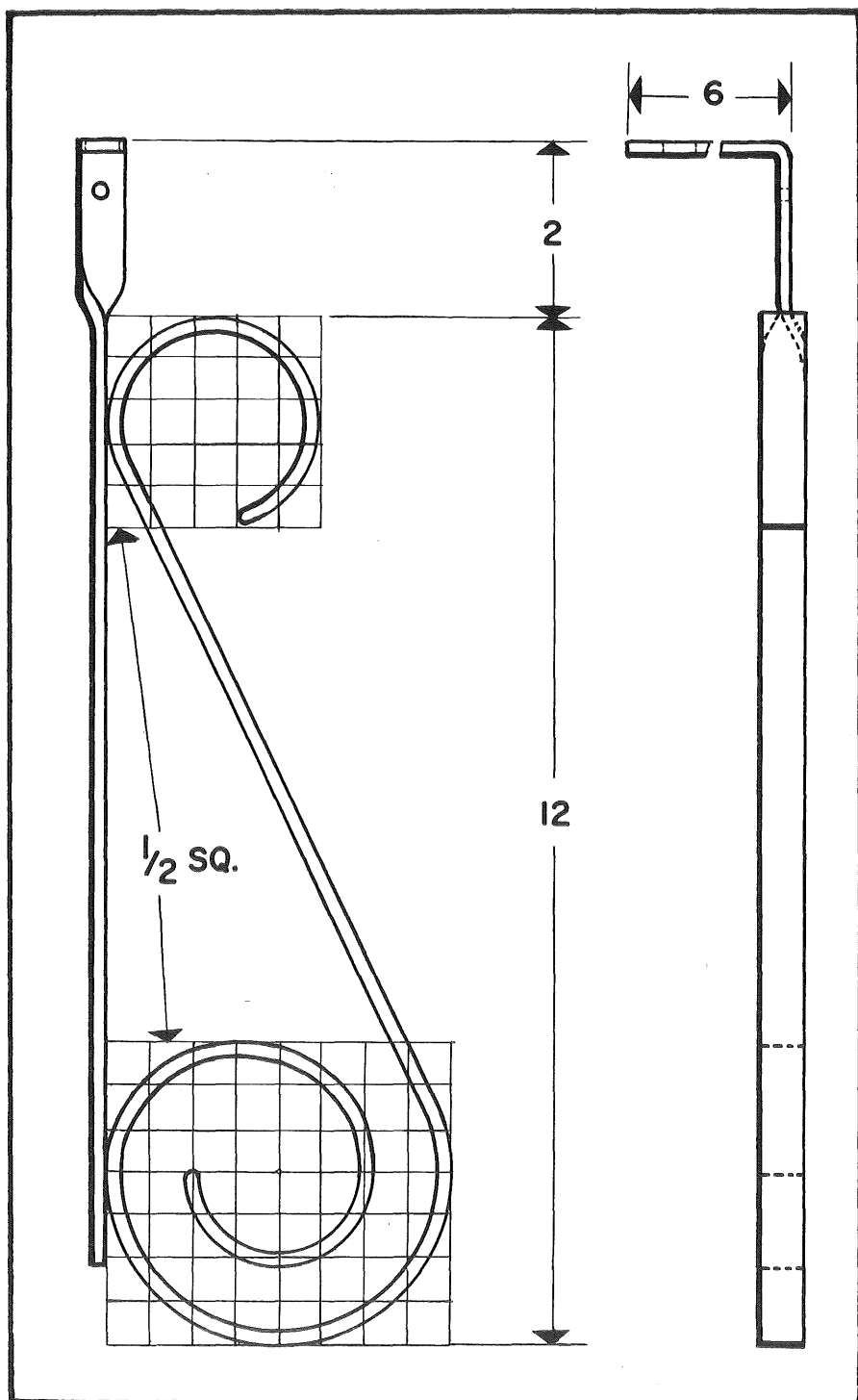
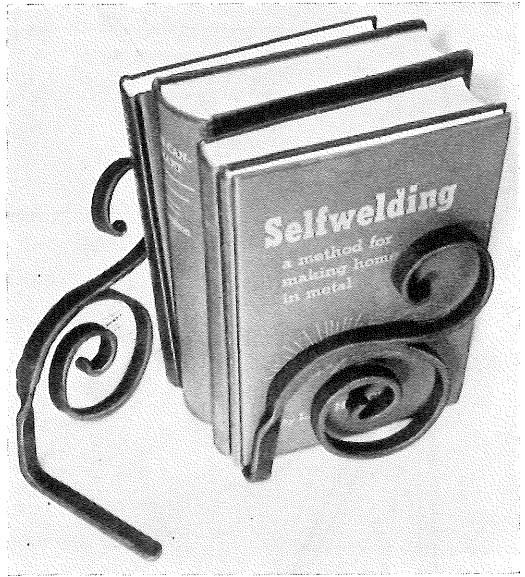


Plate 15. Pin-Up Lamp

## 16. Book Ends



Do you need book ends to keep those books in order?

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 24"	Bottom
Mild Steel	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 12"	Top

### PROCEDURE:

1. Study the drawing.
2. Grind both ends of each piece round.
3. Form the scrolls.
4. Twist and bend the bottom piece.
5. Weld the top to the bottom.
6. File all the beads.
7. Paint the wrought iron flat black.

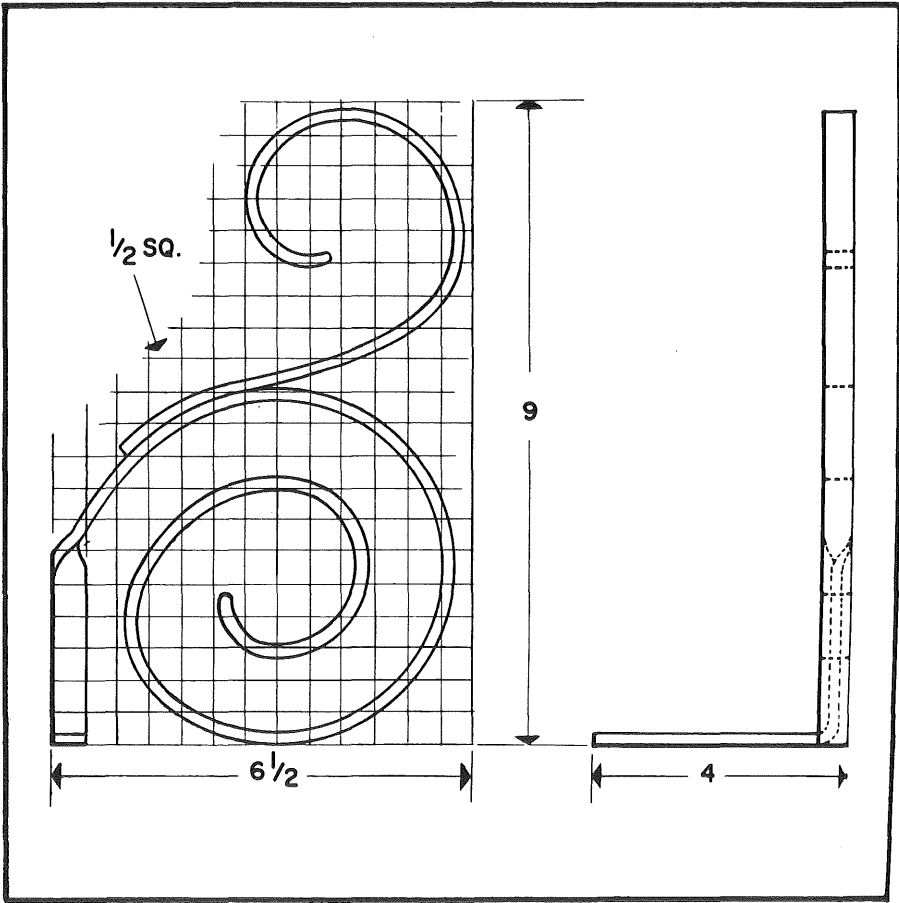
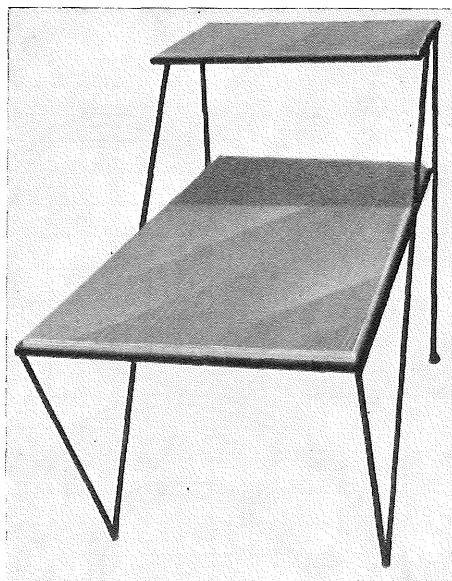


Plate 16. Book Ends



## 17. End Table



This beautiful end table is a good project for every boy in the shop.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Square x 48"	Front Legs
Mild Steel	2	$\frac{3}{8}$ " Square x 26"	Back Legs
Angle Iron	1	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 56"	Top Frame
Angle Iron	1	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 108"	Bottom Frame
Wood	1	$\frac{3}{4}$ " x 10" x 18"	Top
Wood	1	$\frac{3}{4}$ " x 18" x 36"	Bottom
Rubber Cane Tips	2	$\frac{3}{8}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Cut 45 degree angles in the angle iron for the corners.
3. Bend the angle iron into rectangles.
4. Weld the corners of the rectangles.
5. Bend the front legs.
6. Weld the front and back legs to the rectangles.
7. Drill holes in the angle iron for screws.
8. File all the beads.
9. Paint the wrought iron flat black.
10. Square the wood and chamfer the edges.
11. Finish the wood to your individual preference.
12. Fasten the wood to the frame with screws.

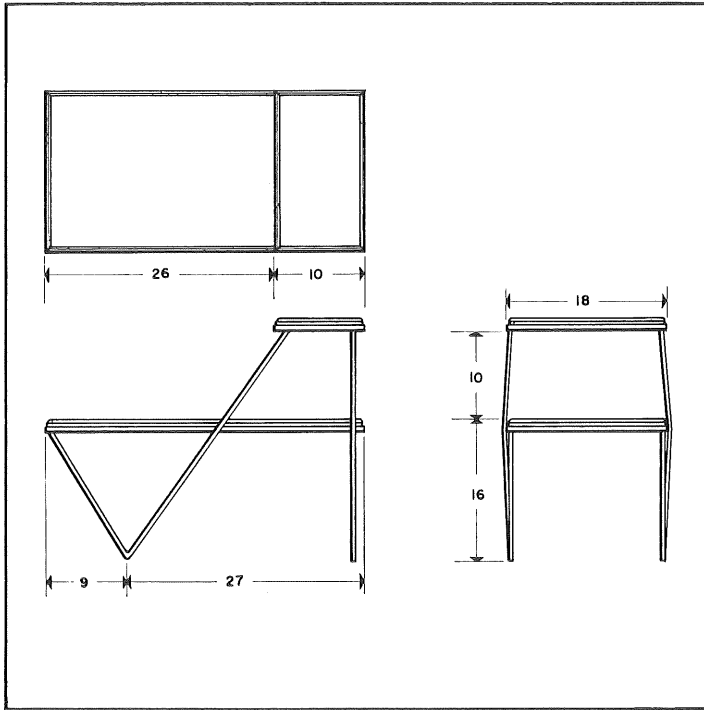
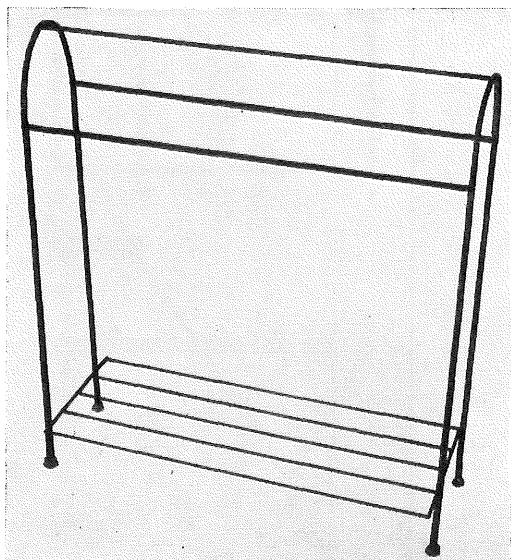


Plate 17. End Table

## 18. Towel Rack



Here is an upright drying rack or towel rack for your convenience.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Round x 60"	Legs
Mild Steel	3	$\frac{3}{8}$ " Round x 24"	Top Bars
Mild Steel	2	$\frac{1}{4}$ " Round x 9"	Shelf Ends
Mild Steel	5	$\frac{1}{4}$ " Round x 23 $\frac{1}{2}$ "	Shelf
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Bend the legs.
3. Weld in the towel hangers (top bars).
4. Weld the shelves to the ends.
5. Weld the shelves to the legs.
6. File all the welds.
7. Paint the wrought iron satin black.
8. Put on the rubber cane tips.

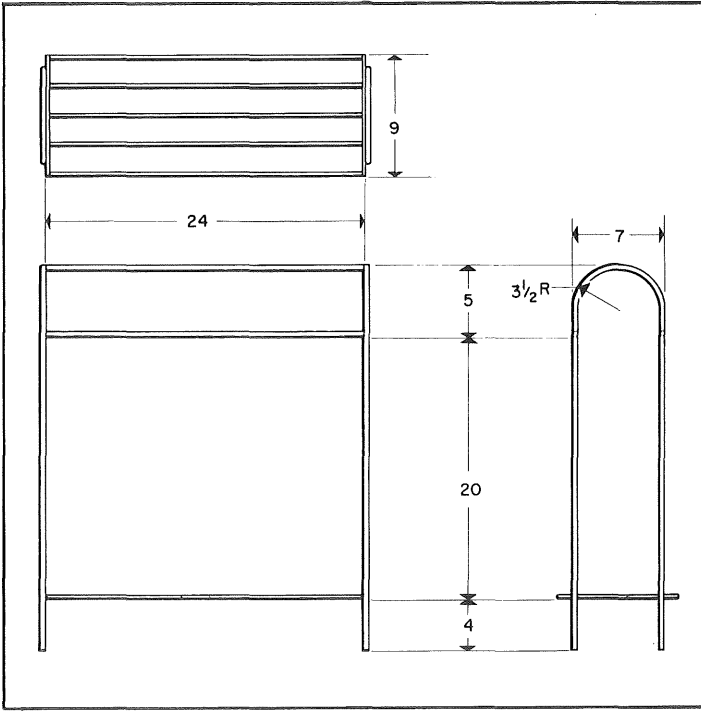


Plate 18. Towel Rack

## 19. Footstool



Who couldn't use a footstool? Here is one that blends with all furniture.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Round x 40"	Side Legs
Mild Steel	2	$\frac{3}{8}$ " Round x 35"	End Legs
Mild Steel	2	$\frac{1}{4}$ " Round x 19"	Shelf Ends
Mild Steel	8	$\frac{1}{4}$ " Round x 13"	Shelf Bars
Wood	1	$\frac{3}{4}$ " x 15" x 21"	Top
Rubber Cane Tips	4	$\frac{5}{8}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Bend the legs.
3. Drill the holes in legs for the screws.
4. Weld the legs together.
5. Weld the bottom shelf.
6. Weld the shelf to the legs.
7. File all the beads.
8. Paint the wrought iron flat black.
9. Square the wood.
10. Upholster the seat.
11. Screw the seat to the frame.
12. Put on the rubber cane tips.

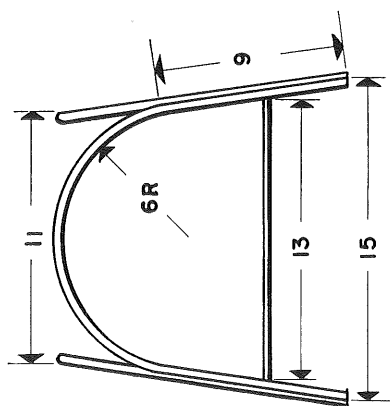
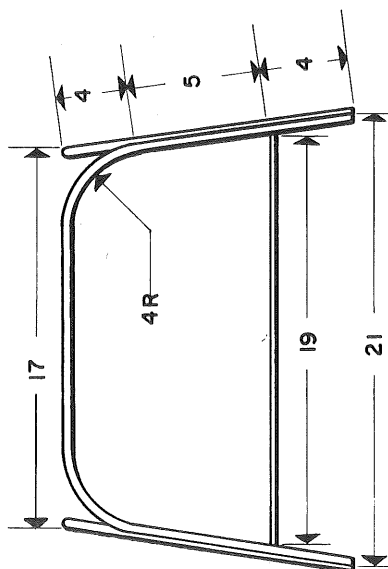
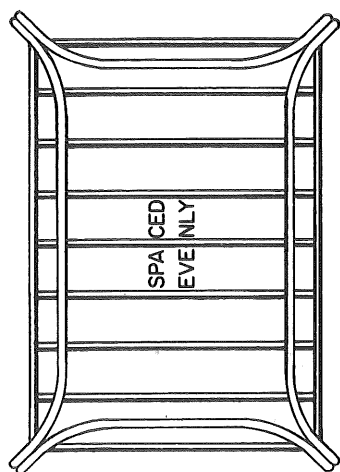
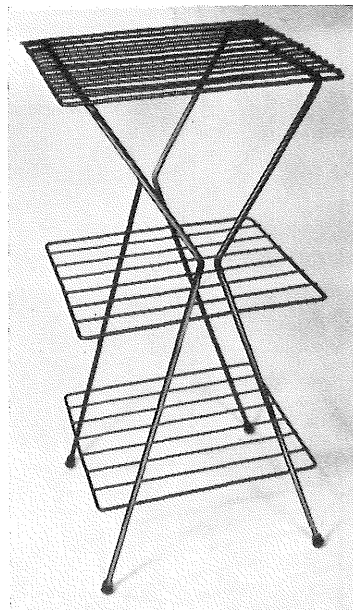


Plate 19. Footstool

## 20. Plant Stand



This plant stand will bring beauty to any room.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Round x 72"	Legs
Mild Steel	3	$\frac{1}{4}$ " Round x 55"	Shelf Frames
Mild Steel	26	$\frac{3}{16}$ " Round x 15"	Shelf Bars
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Bend the legs.
3. Bend the shelf frames.
4. Weld the cross members to the shelf frames.
5. Weld the shelves to the legs.
6. File all the beads.
7. Paint the wrought iron satin black.
8. Put on the rubber cane tips.

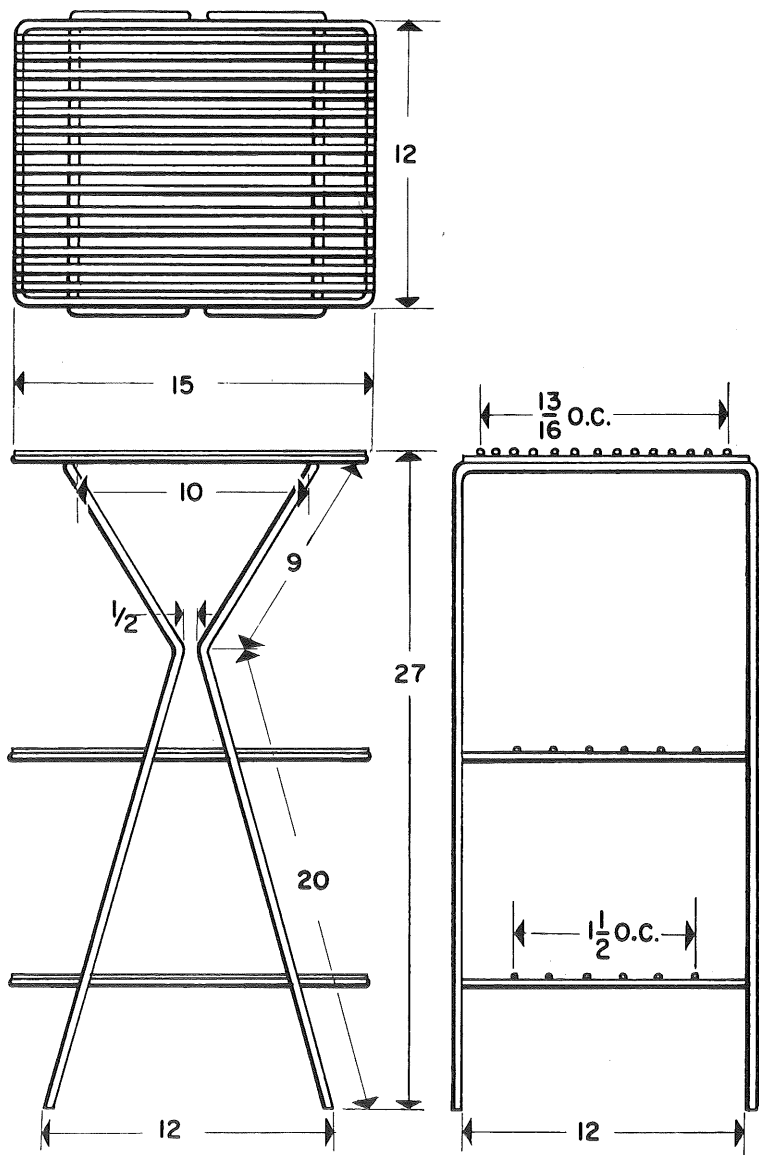
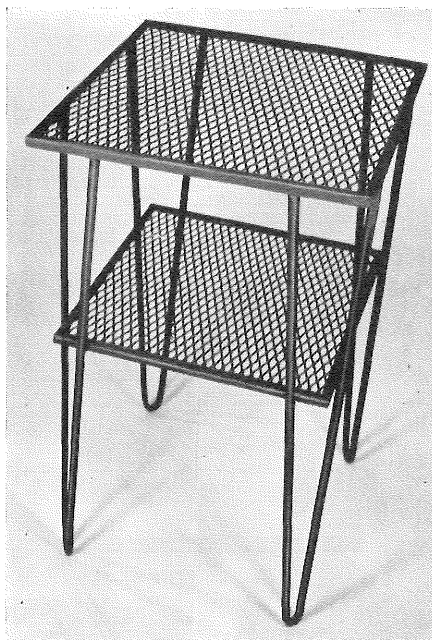


Plate 20. Plant Stand



## 21. Bedstand



A touch of wrought iron will enhance your bedroom. Make two of these wrought iron bedstands, one for each side of your bed.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Angle Iron	1	$\frac{1}{8}'' \times \frac{1}{2}'' \times \frac{1}{2}'' \times 64''$	Top Frame
Angle Iron	1	$\frac{1}{8}'' \times \frac{1}{2}'' \times \frac{1}{2}'' \times 60''$	Shelf Frame
Mild Steel	4	$\frac{3}{8}''$ Square x 60"	Legs
Expanded Steel	1	16" x 16"	Top
Expanded Steel	1	15" x 15"	Shelf

### PROCEDURE:

1. Study the drawing.
2. Cut 45-degree angles in the angle iron for the corners.
3. Bend the angle iron into a square.
4. Weld the corners of the angle iron.
5. Weld the expanded metal to the angle iron.
6. Bend the legs.
7. Weld the top and shelf to the legs.
8. File all the beads.
9. Paint the wrought iron black.

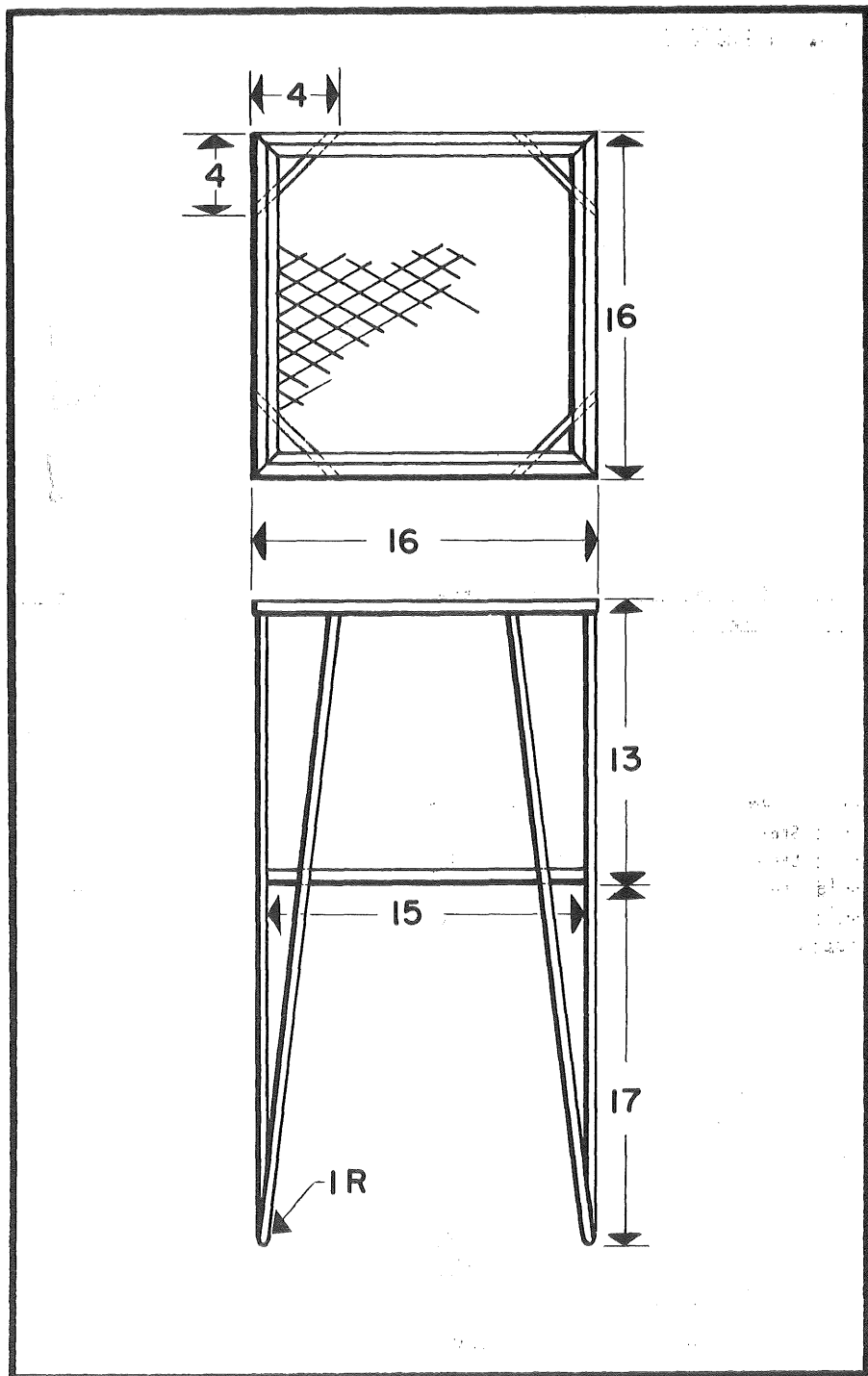


Plate 21. Bedstand

## 22. Magazine Rack



Here is something different in the way of a magazine rack. Try it and you will like it.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{1}{4}$ " Round x 18"	Front Leg
Mild Steel	2	$\frac{1}{4}$ " Round x 16"	Back Leg
Mild Steel	3	$\frac{1}{4}$ " Round x 18"	Top and Bottom Bars
Mild Steel	3	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 18"	Backpieces
Rubber Cane Tips	4	$\frac{1}{4}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Bend the legs.
3. Weld the legs together.
4. Bend the three backpieces.
5. Round off the ends of the backpieces.
6. Bend the legs to the desired shape.
7. File all the beads.
8. Paint the wrought iron flat black.
9. Put on the rubber tips.

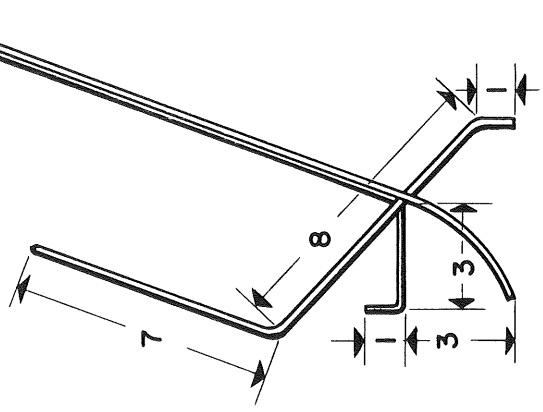
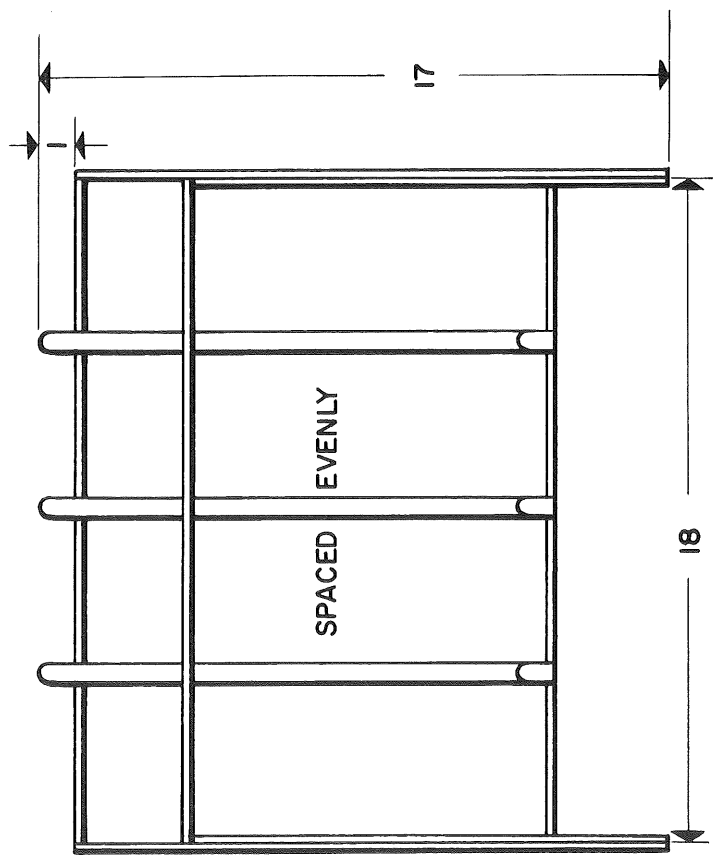
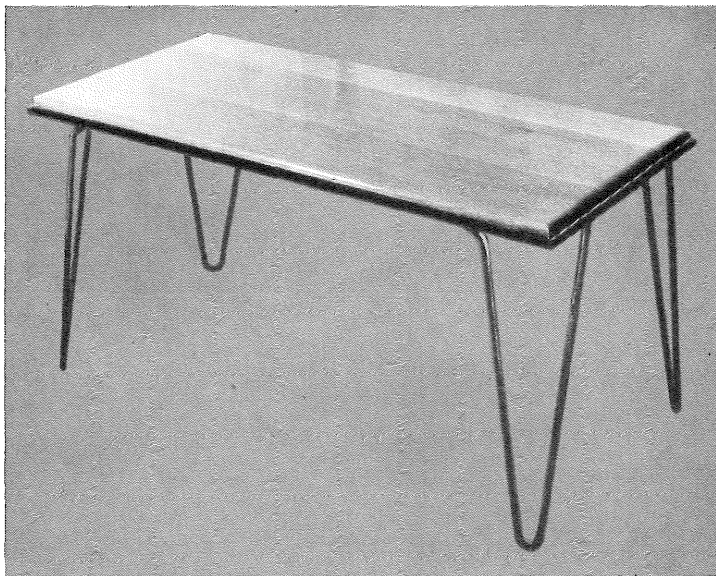


Plate 22. Magazine Rack

## 23. Coffee Table



This attractive coffee table will blend in with any surrounding furniture.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	4	$\frac{3}{8}$ " Square x 36"	Legs
Mild Steel	1	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " Angle Iron x 108"	Top Frame
Wood	1	$\frac{3}{4}$ " x 18" x 36"	Top

### PROCEDURE:

1. Study the drawing.
2. Cut 45-degree angles in the angle iron for the corners.
3. Bend the angle iron into a rectangle.
4. Weld the angle iron at the corners.
5. Heat the leg stock with a carbon arc and bend around a 1-inch pipe.
6. Weld the legs to the angle-iron frame.
7. File all the beads.
8. Drill holes in the frame for fastening the wooden top.
9. Finish the wrought iron gloss black.
10. Square and round off the upper edges of the wood.
11. Sand, then finish the wood.
12. Fasten the wood to the angle frame with screws.

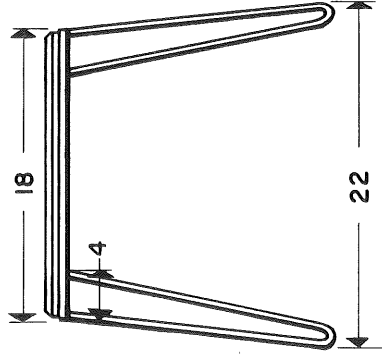
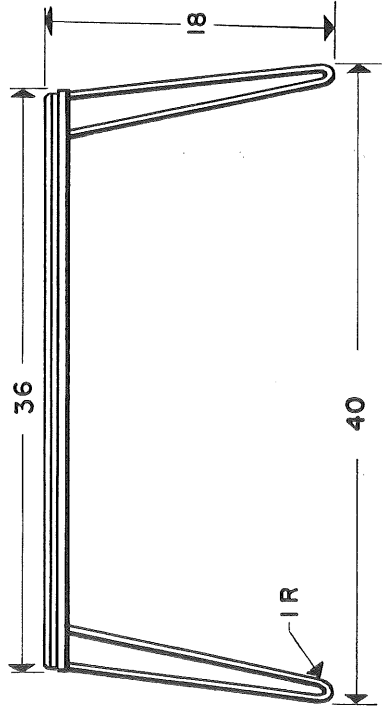
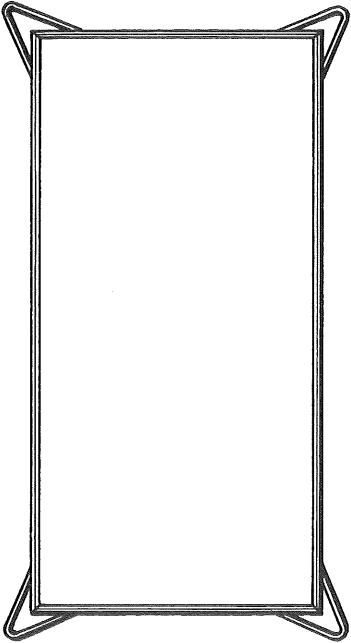


Plate 23. Coffee Table

# 24. End Table



This attractive end table matches the coffee table illustrated in Plate No. 23.

## MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	4	$\frac{3}{8}$ " Square x 36"	Legs
Mild Steel	2	$\frac{3}{8}$ " Square x 18"	Top-Shelf Supports
Mild Steel	1	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " Angle Iron x 92"	Bottom Frame
Mild Steel	1	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " Angle Iron x 56"	Top Frame
Wood	1	$\frac{3}{4}$ " x 18" x 28"	Bottom
Wood	1	$\frac{3}{4}$ " x 10" x 18"	Top

## PROCEDURE:

1. Study the drawing.
2. Cut 45-degree angles in the angle iron for the corners.
3. Bend the angle iron into rectangles.

4. Weld the angle iron at the corners.
5. Heat the leg stock with a carbon arc and bend around a 1-inch pipe.
6. Weld the legs to the angle-iron frame.
7. Form the top-shelf support pieces.
8. Weld the top-shelf support pieces to the base and to the top.
9. File all the beads.
10. Drill holes in the frames for fastening the wooden top.
11. Finish the wrought iron gloss black.
12. Square and round off the upper edges of the wood.
13. Sand and finish the wood.
14. Fasten the wood to the frames with screws.

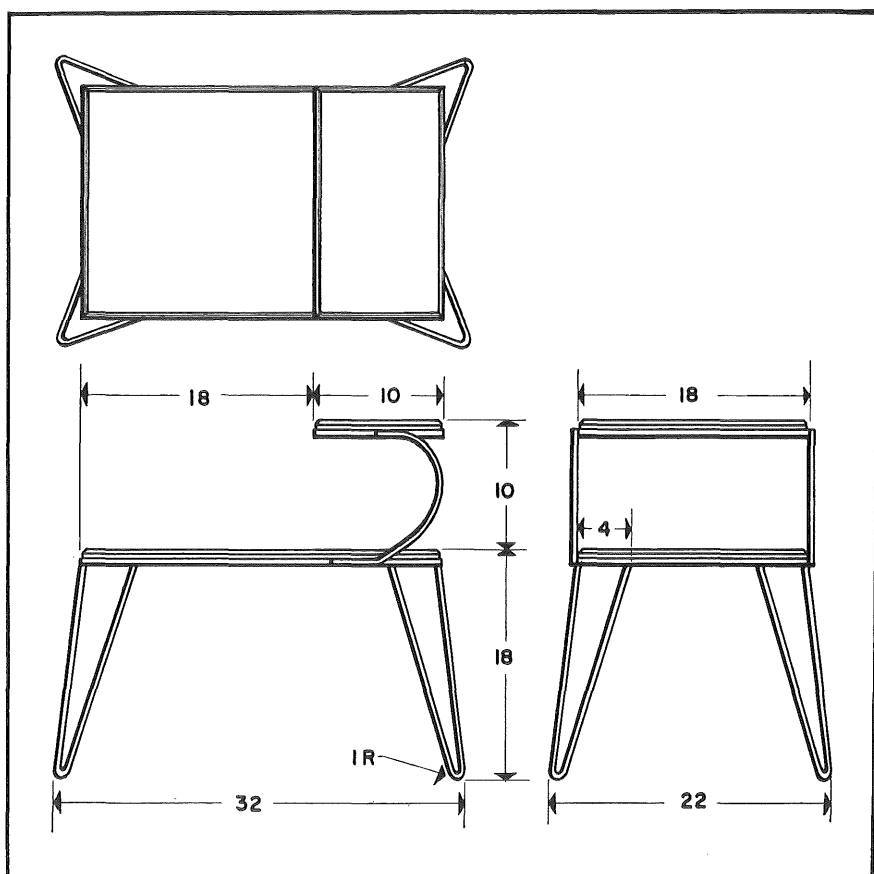
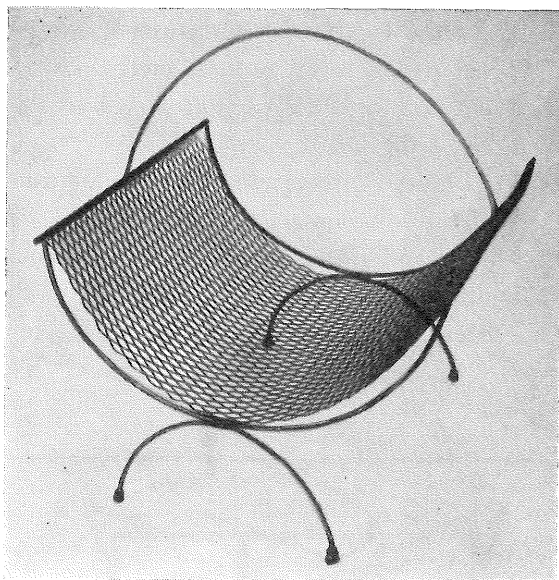


Plate 24. End Table



## 25. Magazine Rack



This magazine rack also can be used as a wood basket.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	¼" Round x 20"	Legs
Mild Steel	3	¼" Round x 26"	Handle and Ends
Mild Steel	2	¼" Round x 16"	Top Bars
Expanded Metal	1	16" x 26"	Basket
Rubber Cane Tips	4	¼"	...

### PROCEDURE:

1. Study the drawing.
2. Bend the two legs.
3. Bend the two sides.
4. Bend the handle.
5. Weld the cross members.
6. Weld the legs to the frame.
7. Form the end of the expanded metal on a bar folder.
8. Tap the expanded metal with a wooden mallet for a snug fit.
9. Weld the handle to the frame.
10. File all the beads.
11. Paint the wrought iron flat black.
12. Put on the rubber cane tips.

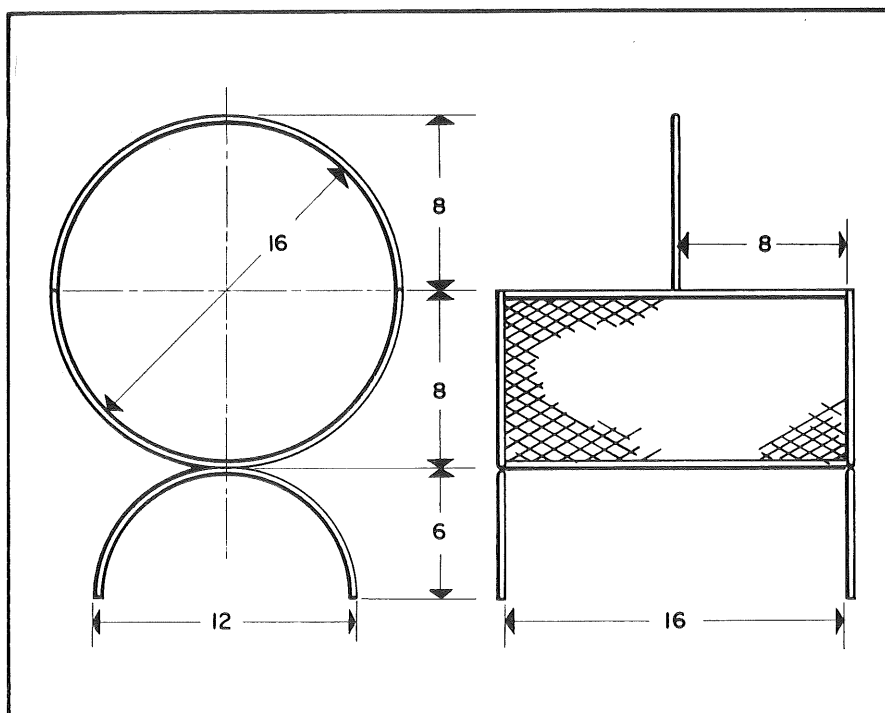
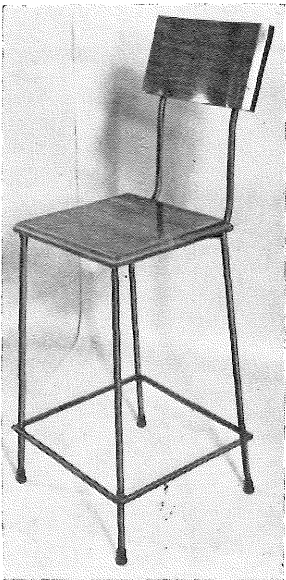


Plate 25. Magazine Rack

# 26. *Snack-Bar Stool*



This project will meet with favorable approval in today's modern kitchens.

## MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	4	$\frac{3}{8}$ " Square x 24"	Legs
Mild Steel	4	$\frac{3}{8}$ " Square x 14"	Bottom Braces
Mild Steel	4	$\frac{3}{8}$ " Square x 9"	Top Seat
Mild Steel	2	$\frac{3}{8}$ " Square x 22"	Back
Wood	1	$\frac{3}{4}$ " x 12" x 12"	Seat
Wood	1	$\frac{3}{4}$ " x 7" x 12"	Back
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

## PROCEDURE:

1. Study the drawing.
2. Weld the bottom squares.
3. Cut legs and seat bottom.
4. Weld legs to bottom square.
5. Weld seat into a square.
6. Cut and form back.
7. Weld back to seat.
8. File all the beads.

9. Drill holes for screws.
10. Finish the wrought iron flat black.
11. Cut and square wood.
12. Sand and finish wood.
13. Fasten wood with screws.
14. Put the cane tips on legs.

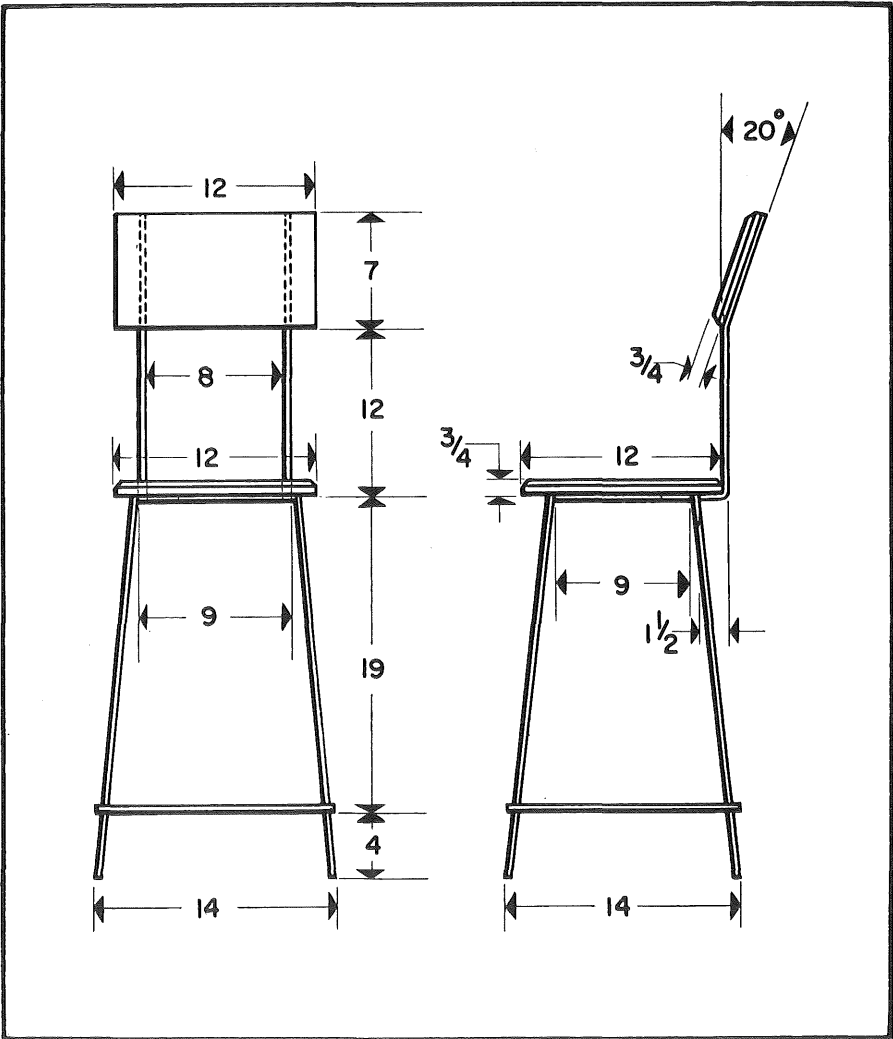


Plate 26. Snack-Bar Stool

## 27. Kitchen Chair



This chair is very attractive with a wrought iron table.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Square x 46"	Legs
Mild Steel	1	$\frac{3}{8}$ " Square x 79"	Back
Mild Steel	1	$\frac{3}{8}$ " Square x 12"	Brace
Wood	1	$\frac{3}{4}$ " x 14" x 14"	Seat
Wood	1	$\frac{3}{4}$ " x 5" x 8"	Back
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Bend the legs to the proper shape.
3. Bend the back to the proper shape.
4. Weld the back to the legs.
5. Weld the brace to the legs.
6. File all the beads.
7. Drill the holes for fastening the wood.
8. Finish the wrought iron flat black.
9. Upholster the wood.
10. Screw the wood to the seat and the back.
11. Put on the cane tips.

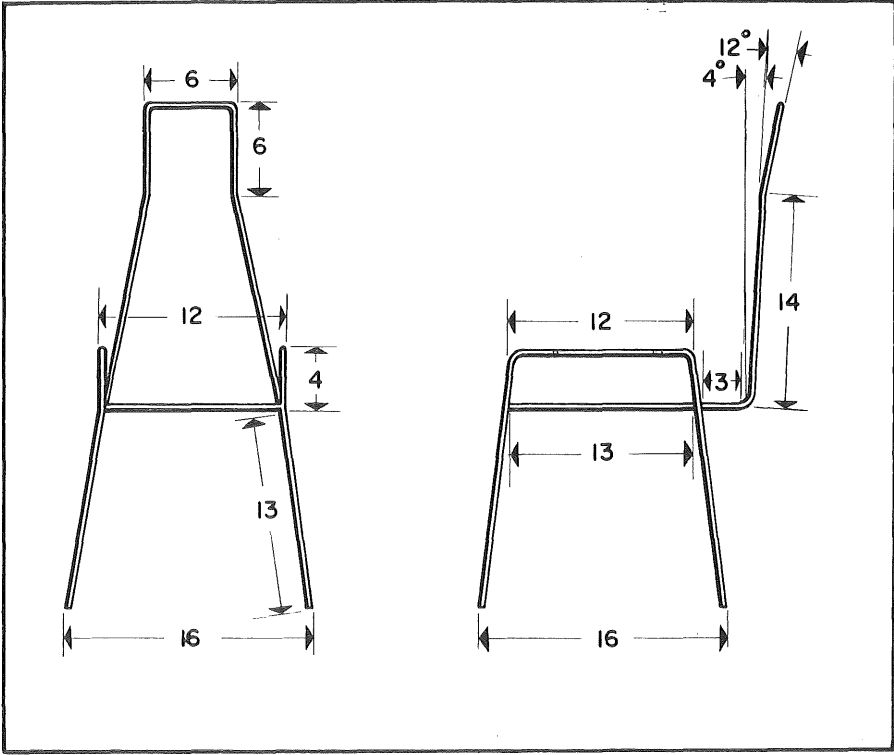
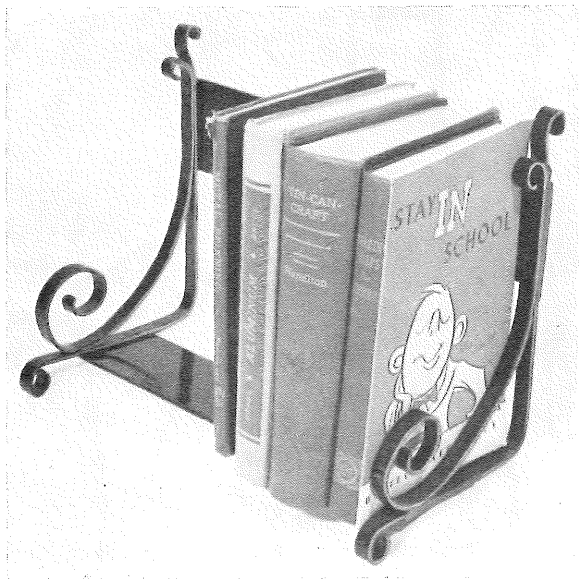


Plate 27. Kitchen Chair

## 28. Book Ends



Make these wrought iron book ends for your desk.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 20"	Back Scrolls
Mild Steel	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 18"	Front Scrolls
Mild Steel	2	$\frac{1}{8}$ " x 3" x 14"	Back and Bottom

### PROCEDURE:

1. Study the drawing.
2. Grind the ends of the scrolls round.
3. Bend the scrolls to shape.
4. Weld the back and front scrolls to the back and bottom.
5. File all the beads.
6. Paint the wrought iron gloss black.

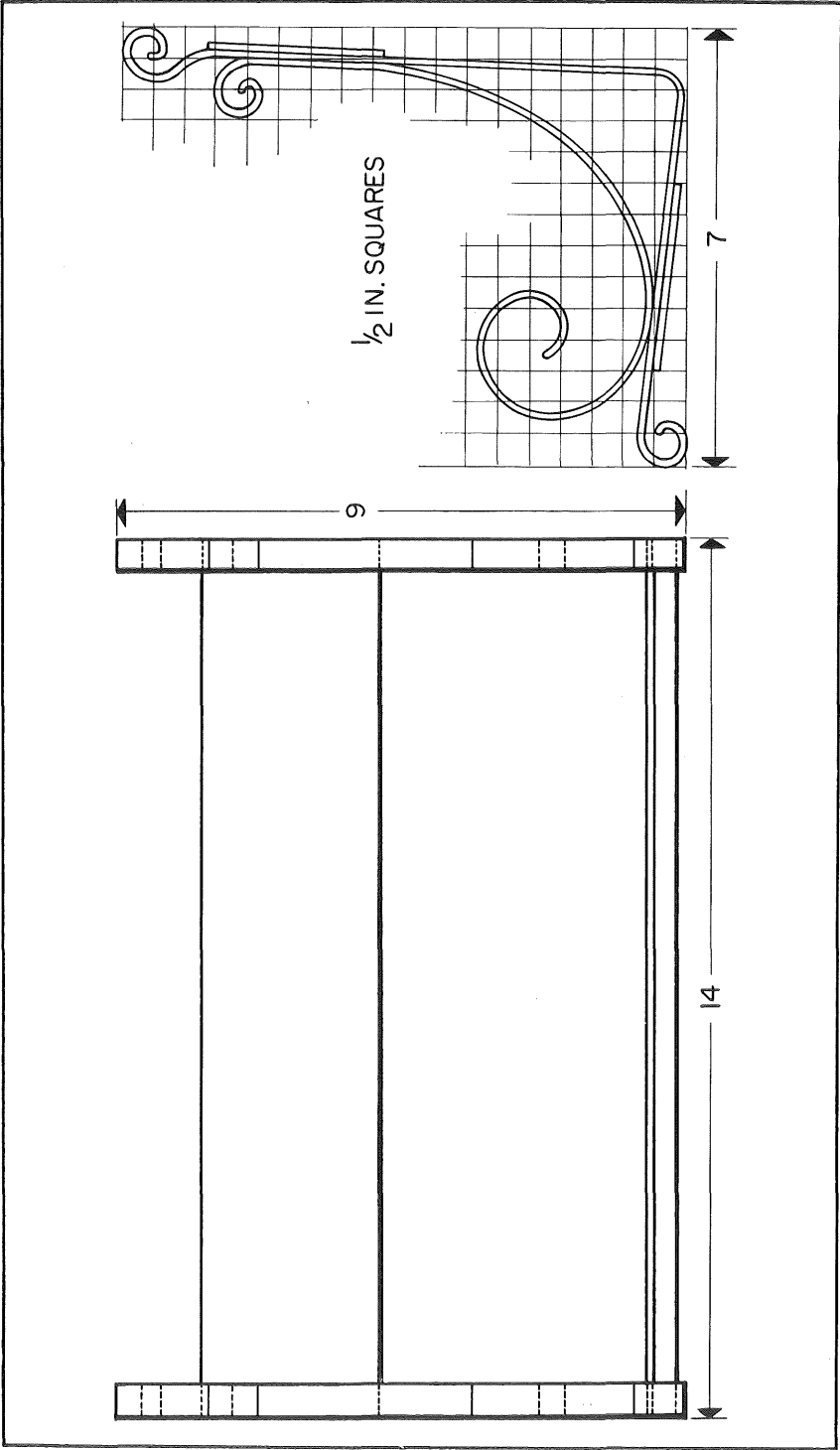
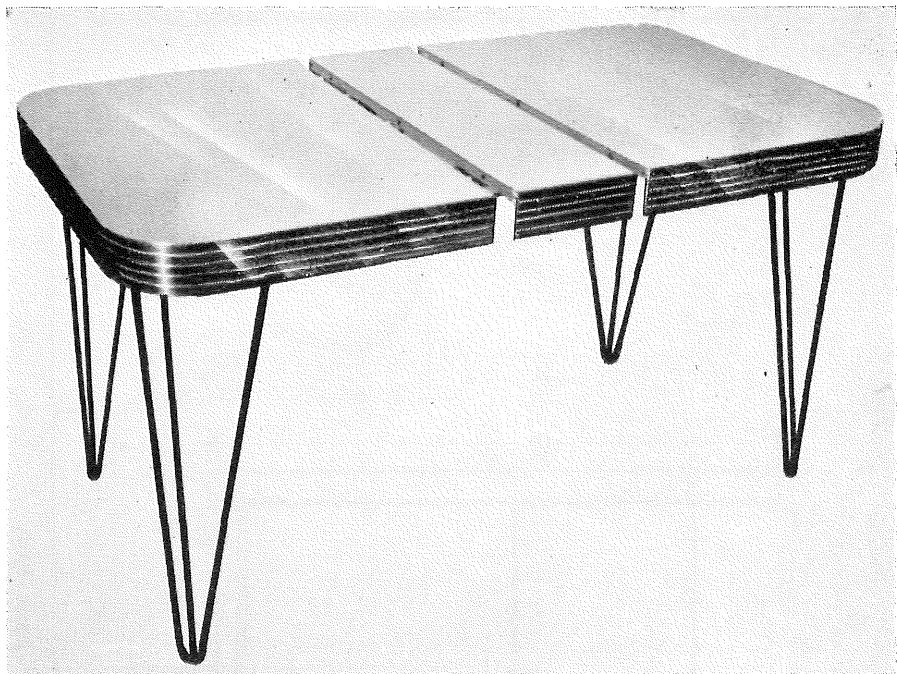


Plate 28. Book Ends



# 29. Kitchen Table



Here is a new table for your kitchen. It can be used with or without the extension.

## MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Band Iron	8	$\frac{3}{16}$ " x 1" x 8"	Top of Legs
Mild Steel	4	$\frac{3}{8}$ " Square x 60"	Legs
Mild Steel	4	$\frac{3}{8}$ " Square x 29½"	Center of Legs
Expanding Runners	2	...	...
Chrome Molding	1	3" x 150"	Table Edge
Plywood	1	$\frac{3}{4}$ " x 30" x 50"	Top
Formica	1	30" x 50"	Top Surface
Dowel	1	$\frac{3}{8}$ " x 24"	...

## PROCEDURE:

1. Study the drawing.
2. Bend the legs.
3. Weld the band iron in pairs at 90 degrees.
4. Drill holes in the band iron for fastening the table top.

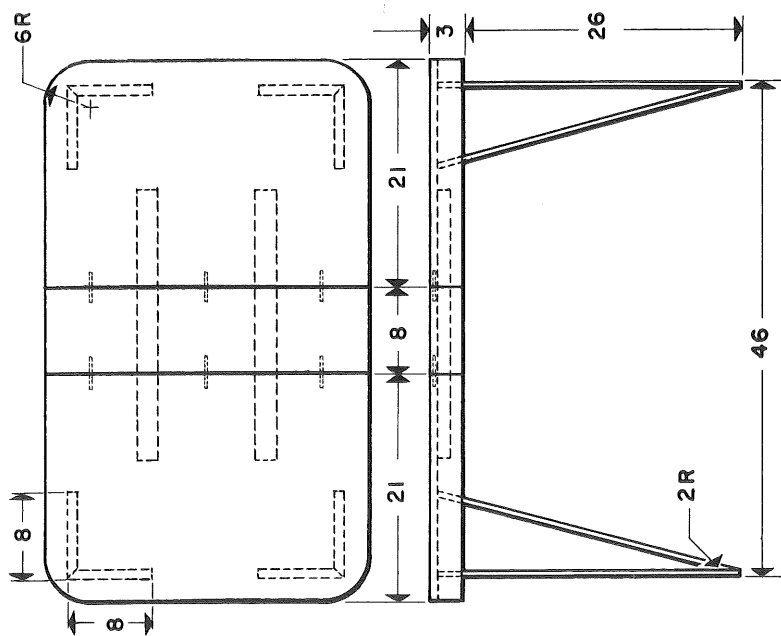


Plate 29. Kitchen Table

5. Weld the center leg piece to the band iron.
6. Weld the formed legs to the band iron.
7. Weld the bottom of the legs together.
8. File all the beads.
9. Paint the wrought iron flat black.
10. Glue the Formica to the plywood.
11. Round off the corners of the top.
12. Cut an 8-inch piece out of the top for the leaf.
13. Drill holes for the dowels.
14. Screw on the expanding runners.
15. Fasten the top to the legs with screws.
16. Put on the chrome.

## 30. Magazine Rack



Here is the latest in wrought iron magazine racks. Make one for your home.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	1	¼" Round x 50"	Handle
Mild Steel	2	¼" Round x 42"	Legs
Mild Steel	2	¼" Round x 12"	Shelf Sidepieces
Mild Steel	9	¼" Round x 6"	Shelf
Rubber Cane Tips	4	¼"	...

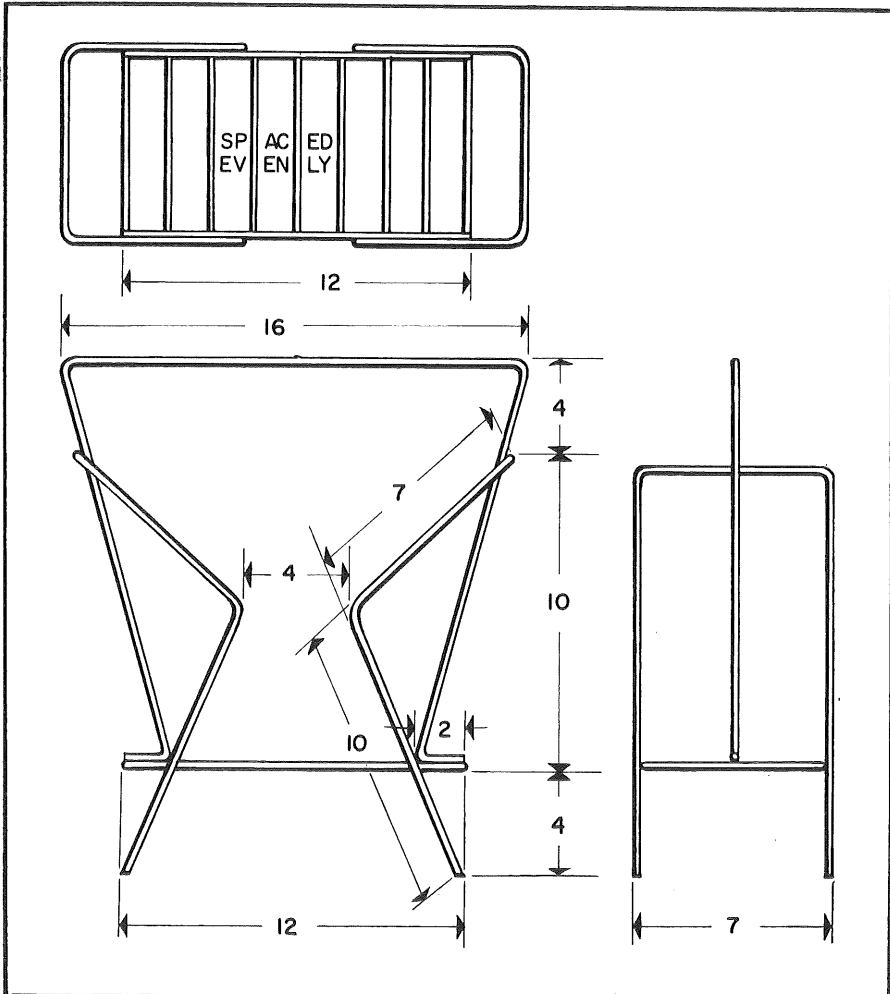
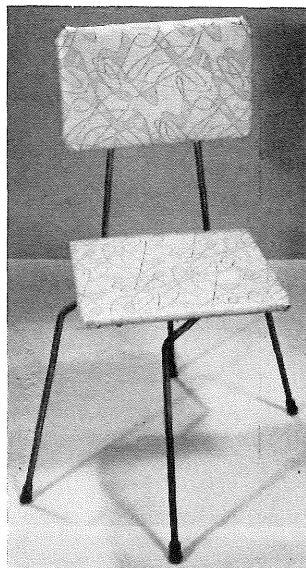


Plate 30. Magazine Rack

#### PROCEDURE:

1. Study the drawing.
2. Weld the bottom rectangle and the crosspieces.
3. Bend the legs to the proper shape.
4. Bend the handle.
5. Weld the handle and the legs to the bottom.
6. File all the beads.
7. Paint the wrought iron flat black.
8. Put on the rubber cane tips.

## 31. Youth Swivel Chair



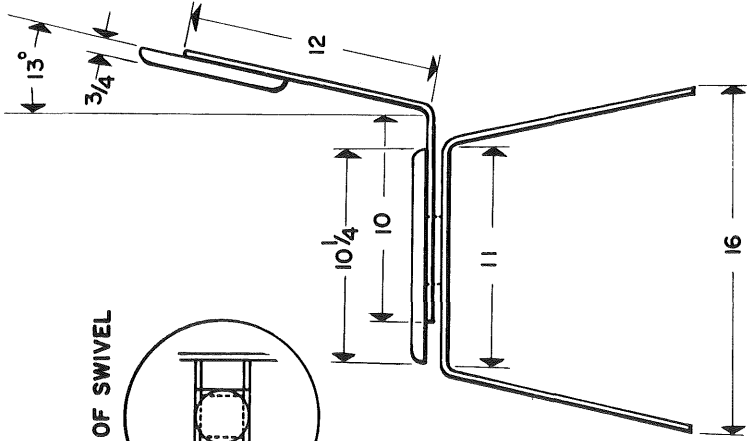
This swivel TV chair would be ideal for your younger brother or sister.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Round x 38"	Legs
Mild Steel	1	$\frac{3}{8}$ " Round x 48"	Back
Mild Steel	4	$\frac{1}{8}$ " x 1" x 6"	Swivel Base
Swivel	1	4"	...
Wood	1	$\frac{3}{4}$ " x 10 $\frac{1}{4}$ " x 12"	Seat
Wood	1	$\frac{3}{4}$ " x 7" x 12"	Back
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

### PROCEDURE:

1. Study the drawing.
2. Bend the legs.
3. Weld the two flat pieces to legs.
4. Bend the back.
5. Drill holes in the back and the bottom for screws.
6. Weld swivel to the set and to the legs.
7. File all the beads.
8. Paint the wrought iron flat black.
9. Square wood.
10. Upholster to your individual preference.
11. Screw seat and back on frame.
12. Put on the rubber cane tips.



DETAIL OF SWIVEL

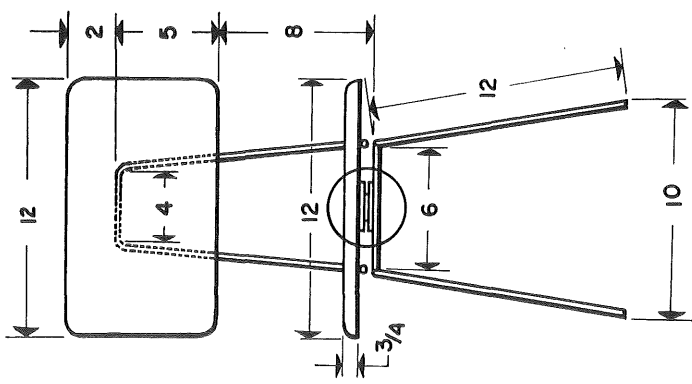
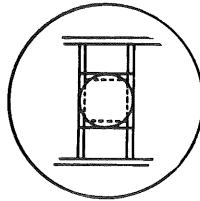
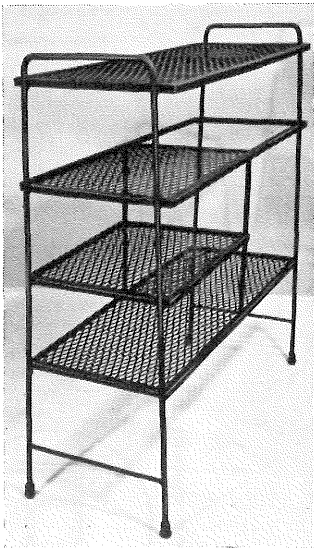


Plate 31. Youth Swivel Chair

# 32. Planter Stand



This planter stand can be used as an attractive room divider. The tubular legs and expanded metal of any design painted flat black will make a favorable conversation piece.

## MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " x Round x 72"	Legs
Mild Steel	2	$\frac{3}{8}$ " x Round x 11 $\frac{5}{8}$ "	Center Braces
Mild Steel	2	$\frac{3}{8}$ " x Round x 10"	Leg Braces
Mild Steel	1	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 11"	Shelf Support
Angle Iron	6	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 30"	Large-Shelf Sides
Angle Iron	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 14 $\frac{13}{16}$ "	Small-Shelf Sides
Angle Iron	8	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 11"	Shelf Ends
Expanded Steel	2	10 $\frac{3}{4}$ " x 29 $\frac{3}{4}$ "	Large Shelves
Expanded Steel	2	10 $\frac{3}{4}$ " x 14 $\frac{1}{16}$ "	Small Shelves
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

## PROCEDURE:

1. Study the drawing.
2. Cut 45-degree angles in the angle iron for the corners.
3. Weld the angle iron into rectangles.
4. Weld the expanded metal to the angle-iron rectangles.

- 5. Bend the legs.
- 6. Weld the shelves to the legs.
- 7. Weld in all the braces.
- 8. File all the beads.
- 9. Paint the wrought iron flat black.
- 10. Put on the rubber cane tips.

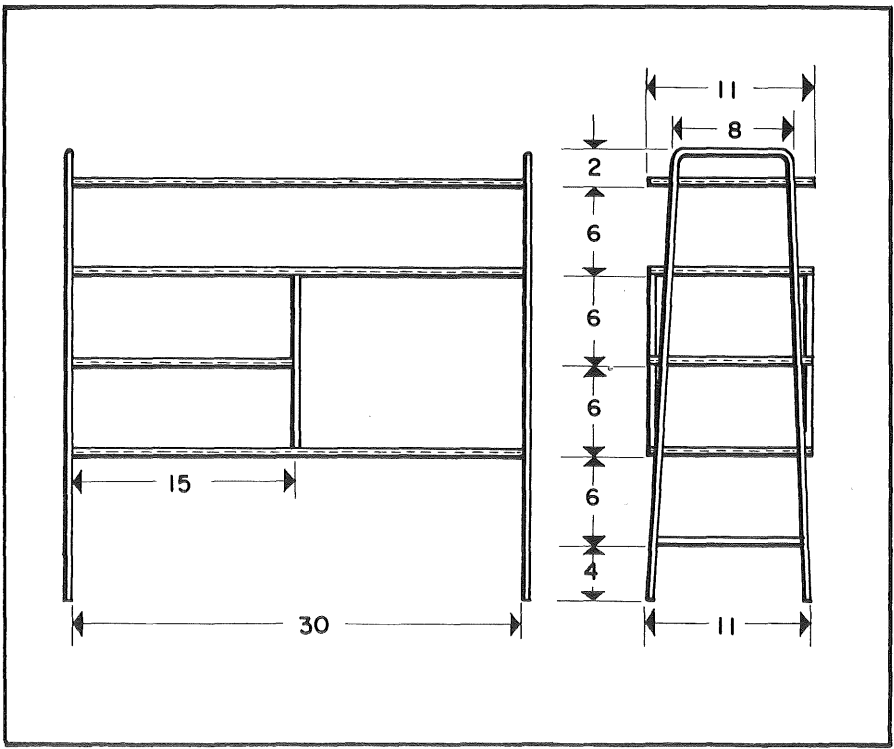
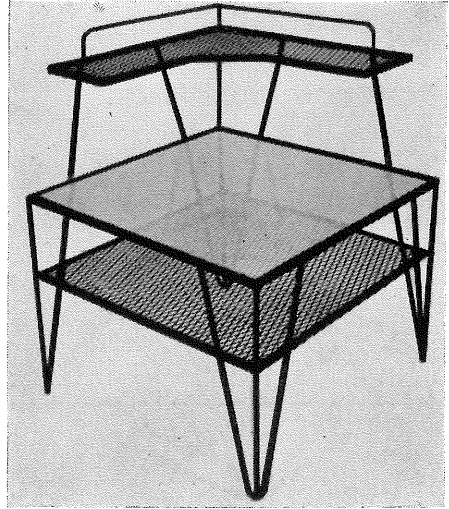


Plate 32. Planter Stand



### 33. Corner Table

For the home of distinction — it's this corner table.



#### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	4	$\frac{3}{8}$ " Square x 36"	Legs
Mild Steel	4	$\frac{3}{8}$ " Square x 18"	Center of Legs
Angle Iron	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 96"	Shelf Ends
Angle Iron	1	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 76"	Top-Shelf Ends
Mild Steel	5	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 10"	Top-Shelf Braces
Mild Steel	1	$\frac{1}{4}$ " Round x 40"	Top Rail
Mild Steel	1	$\frac{1}{4}$ " Round x 2"	Top-Rail Brace
Expanded Metal	1	23 $\frac{3}{4}$ " x 23 $\frac{3}{4}$ "	Bottom Shelf
Expanded Metal	1	19 $\frac{3}{4}$ " x 19 $\frac{3}{4}$ "	Top Shelf
Plate Glass	1	23 $\frac{3}{4}$ " x 23 $\frac{3}{4}$ "	Middle Shelf

#### PROCEDURE:

1. Study the drawing.
2. Cut 45-degree angles in the angle iron for the corners.
3. Bend the angle iron into squares and into the shape for the top shelf as shown in Plate No. 33.
4. Weld the corners of the angle iron.
5. Bend the legs.
6. Weld the shelves to the legs.
7. Weld the four braces.
8. Weld the top to the braces.
9. Weld on top rail.
10. Weld in the expanded metal.
11. File all the welds.
12. Paint the wrought iron flat black.

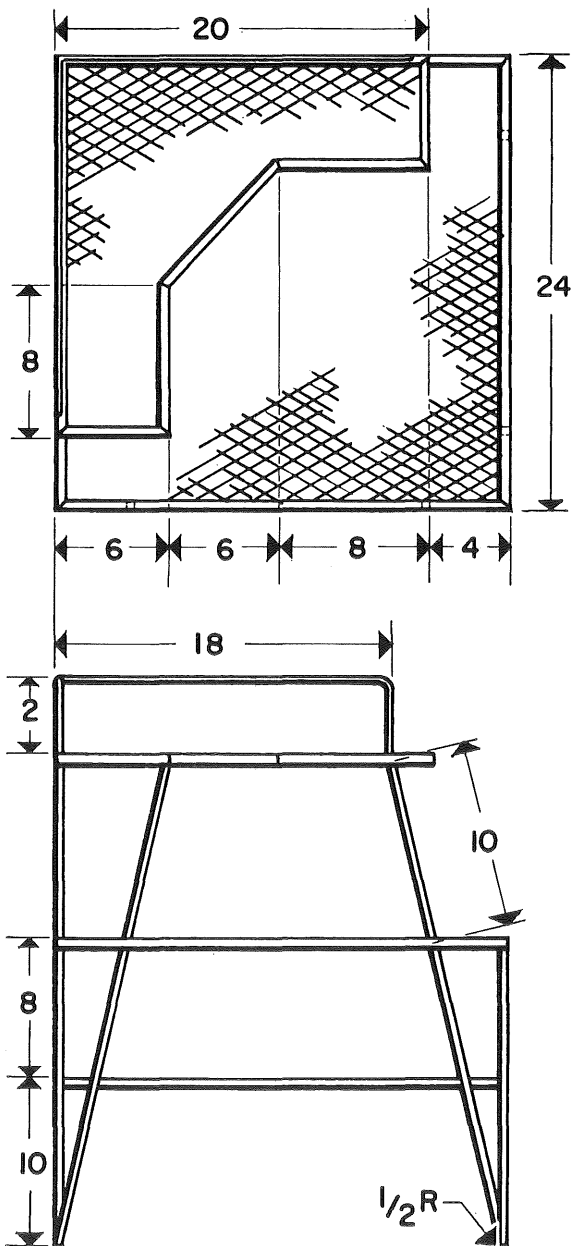


Plate 33. Corner Table

## 34. TV Swivel Stand



This TV swivel table can be adjusted to fit any portable television set.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Square x 55"	Legs
Mild Steel	2	$\frac{3}{8}$ " Square x 15"	Cross Braces (Top of Base)
Mild Steel	2	$\frac{3}{8}$ " Square x 12"	Cross Brace (Swivel Platform)
Mild Steel	4	$\frac{3}{8}$ " Square x 6"	Swivel Braces
Angle Iron	1	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 66"	Shelf Frame
Mild Steel	8	$\frac{3}{8}$ " Round x 15"	Shelf Crosspieces
Mild Steel	2	$\frac{3}{8}$ " Round x 33"	Swivel-Platform Extensions
Pipe	2	$\frac{1}{4}$ " Diameter x 18"	Swivel-Platform Sides
Swivel	1	6"	...
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

## PROCEDURE:

1. Study the drawing.
2. Bend the legs.
3. Cut 45-degree angles out of the angle iron for the corners.
4. Weld the angle iron into a rectangle for a shelf.
5. Weld the rods into the shelf.
6. Weld the top braces to the legs.
7. Weld the shelf in place.
8. Weld the swivel to the legs.
9. Weld the braces to the pipe.
10. Bend the swivel-platform extensions. The extensions should slide freely into the pipe.
11. Weld the top to the swivel.
12. File all the beads.
13. Paint the wrought iron flat black.
14. Put on the rubber cane tips.

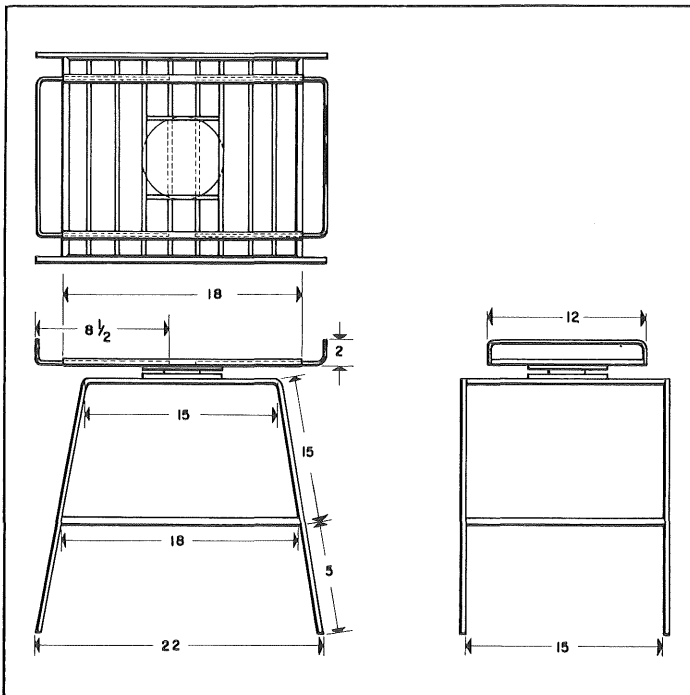
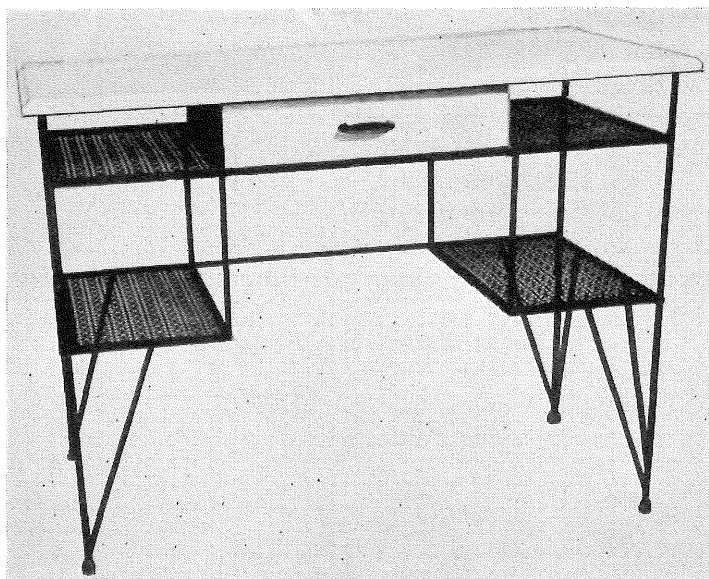


Plate 34. TV Swivel Stand

## 35. Desk



This desk is a very interesting and rewarding project for the more advanced boys.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Angle Iron	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 38"	Front and Back (Top Shelf)
Angle Iron	10	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 18"	Ends of Top, Top Shelf, and Drawer Slide
Angle Iron	4	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 10"	Front and Back of Bottom Shelves
Strap Iron	4	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 18"	Sides of Bottom Shelves
Mild Steel	3	$\frac{3}{8}$ " Square x 18"	Back Braces
Mild Steel	4	$\frac{3}{8}$ " Square x 10 $\frac{1}{2}$ "	Vertical Braces
Mild Steel	4	$\frac{3}{8}$ " Square x 30"	Legs
Mild Steel	8	$\frac{3}{8}$ " Square x 14"	Diagonal Leg Braces
Expanded Metal	4	10" x 18"	Shelves
Wood	1	$\frac{3}{4}$ " x 20" x 40"	Top
Drawer	1	18" x 18" x 4"	...
Drawer Pull	1	...	...
Rubber Cane Tips	4	$\frac{3}{8}$ "	...

**PROCEDURE:**

1. Study the drawing.
2. Cut 45-degree angles out of the angle iron for the corners.
3. Weld the angle iron into rectangles for the top-rests on ends only and for the shelves.
4. Weld in the expanded metal.
5. Weld the legs to the shelves.
6. Weld on the braces to the legs.
7. Weld on the braces to the shelves.
8. Weld the angle iron for the drawer runner.
9. File all the beads.
10. Paint the wrought iron flat black.
11. Square the wood for the top and chamfer the top edge.
12. Cut out and make the drawer.
13. Finish the wood to your individual preference.
14. Screw the wood to the legs.
15. Put on the rubber cane tips.

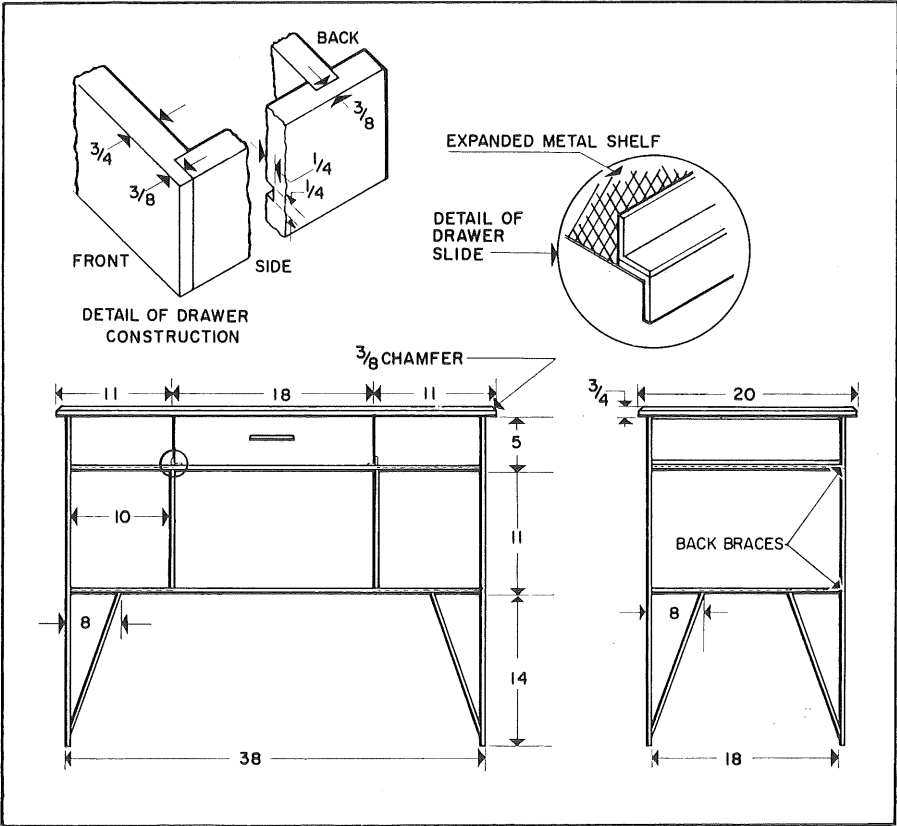


Plate 35. Desk

## 36. Swivel Stool



This is a swivel kitchen stool that is just right for your snack bar.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	1	$\frac{3}{8}$ " Round x 36"	Back Rest
Mild Steel	2	$\frac{3}{8}$ " Round x 18"	Back Brace
Mild Steel	4	$\frac{3}{8}$ " Round x 4"	Top Square
Mild Steel	4	$\frac{3}{8}$ " Round x 33"	Legs
Mild Steel	1	$\frac{3}{8}$ " Round x 72"	Circle
Swivel	1	4"	...
Wood	1	$\frac{3}{4}$ " x 14" Diameter	Seat

### PROCEDURE:

1. Study the drawing.
2. Bend the four legs.
3. Bend the bottom circle.
4. Weld the top square together.

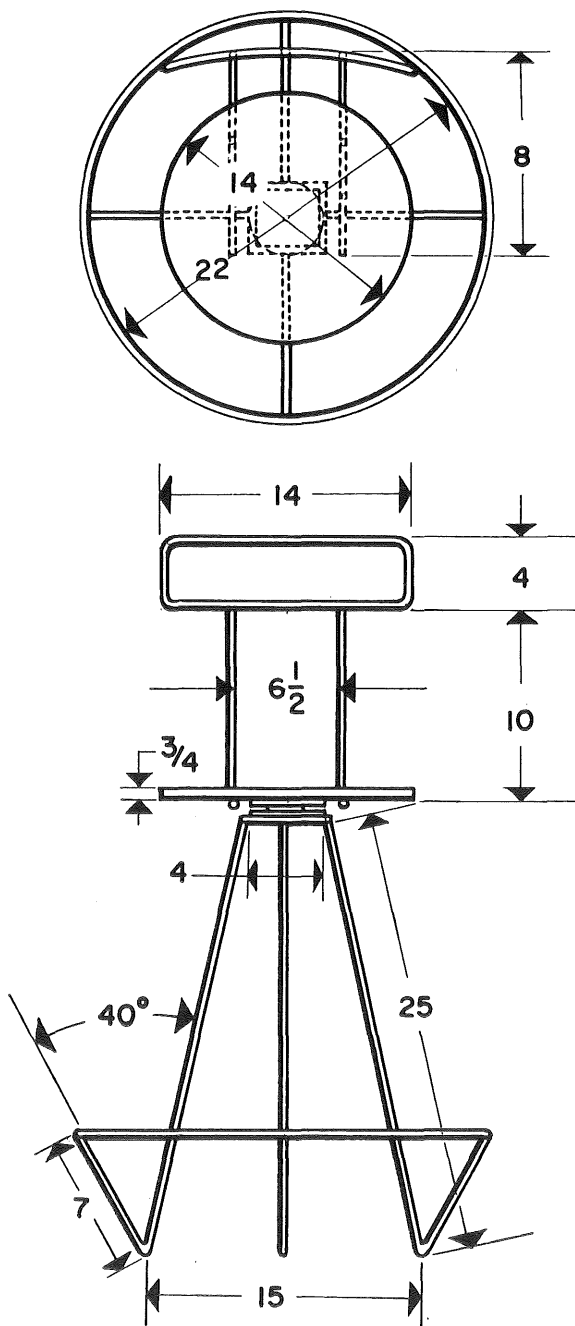


Plate 36. Swivel Stool



5. Weld the top of the legs to the top square.
6. Weld on the bottom circle.
7. Bend and weld the back rest.
8. Bend the back support.
9. Weld the back rest to the back supports.
10. Drill the holes for the screws in the back support for fastening the seat.
11. Weld the swivel to the legs.
12. File all the welds.
13. Paint the wrought iron flat black.
14. Upholster the seat.
15. Screw the seat to the back support.
16. Screw the swivel to the seat.

## 37. Rocking Chair



For complete relaxation there is nothing like "The Old Rocking Chair."

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	4	$\frac{3}{8}$ " Square x 20"	Cross Members
Mild Steel	2	$\frac{3}{8}$ " Square x 48"	Back
Mild Steel	2	$\frac{3}{8}$ " Square x 54"	Legs
Mild Steel	2	$\frac{3}{8}$ " Square x 20"	Arms
Mild Steel	2	$\frac{3}{8}$ " Square x 12"	Braces
Mild Steel	2	$\frac{1}{4}$ " x $1\frac{1}{4}$ " Half Round x 36"	Rockers
Canvas	1	24" x 48"	Seat

## PROCEDURE:

1. Study the drawing.
2. Bend the rockers.
3. Bend the legs.
4. Form the back.
5. Weld the legs to the rockers.
6. Cut  $\frac{3}{8}$  inch out of the back and weld to the legs.
7. Cut and weld all the cross members.
8. Weld in the back braces.
9. Bend and weld on the arms.
10. File all the welds.
11. Paint the wrought iron satin black.
12. Put a 1-inch double seam in the canvas.

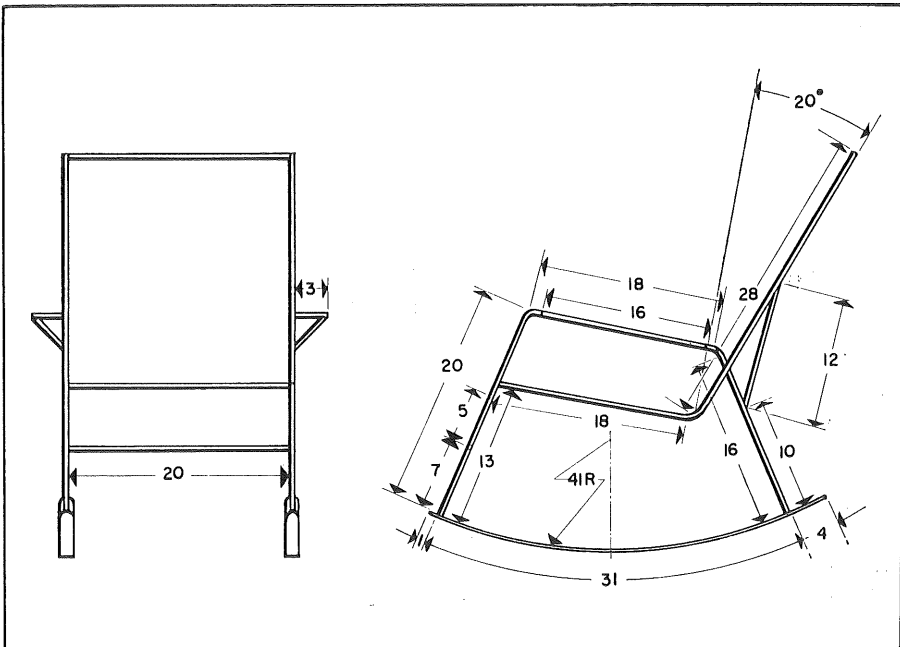
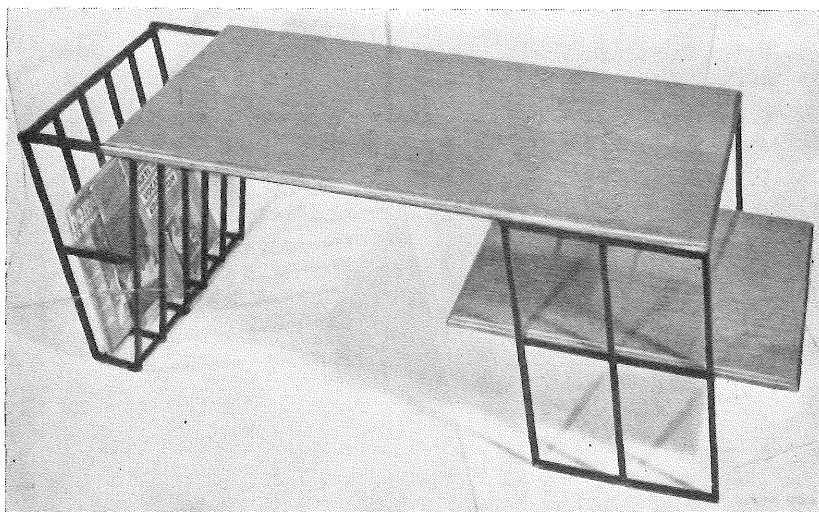


Plate 37. Rocking Chair

## 38. Coffee Table



This modern coffee table and magazine rack will look well in any living room.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	18	$\frac{3}{8}$ " Square x 17"	Legs
Mild Steel	8	$\frac{3}{8}$ " Square x 5 $\frac{1}{2}$ "	Bottom and Top Pieces
Mild Steel	6	$\frac{3}{8}$ " Square x 3 $\frac{1}{2}$ "	Rack Bottom
Mild Steel	2	$\frac{3}{8}$ " Square x 5"	Rack Braces
Angle Iron	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 11"	Shelf Supports
Angle Iron	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 42"	Table-Top Support
Mild Steel	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 17"	Bottom Rack Spacer
Mild Steel	2	$\frac{3}{8}$ " Square x 17"	Top Rack Cross-pieces
Wood	1	$\frac{3}{4}$ " x 18" x 36"	Top
Wood	1	$\frac{3}{4}$ " x 17" x 20"	Shelf

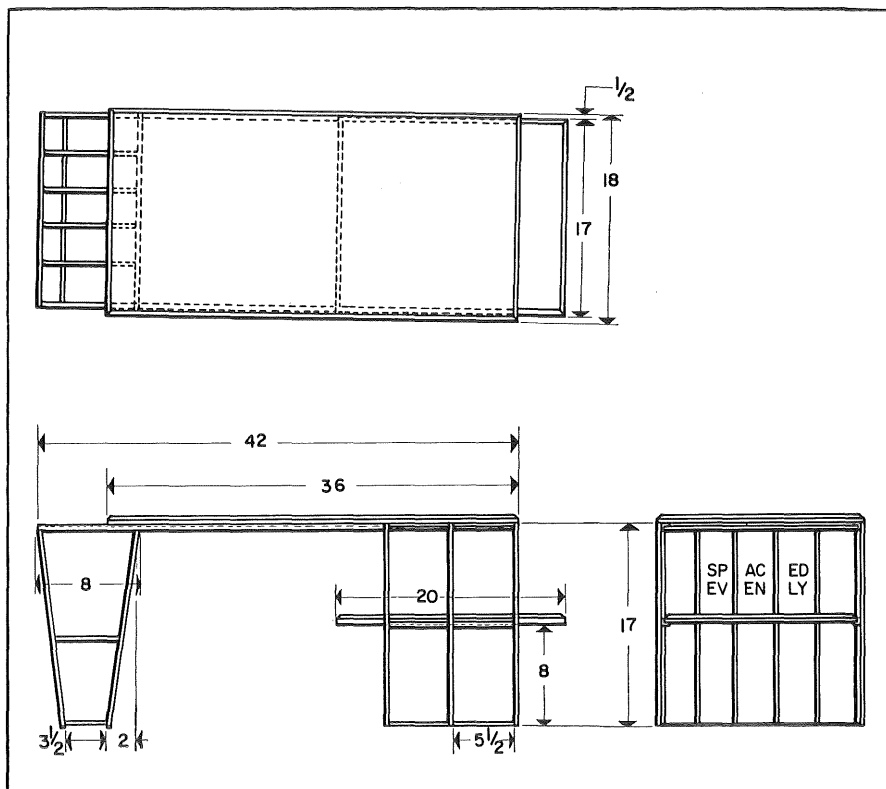


Plate 38. Coffee Table

### PROCEDURE:

1. Study the drawing.
2. Lay out and weld the magazine rack.
3. Weld on the bottom supports and braces.
4. Lay out and weld the shelf legs.
5. Weld in the angle iron for the shelf support.
6. Weld the top angle iron to connect the legs.
7. Drill holes in the top and the shelf angle irons for screws to fasten the top.
8. Weld the top crosspiece to the shelf legs.
9. File all the beads.
10. Paint the wrought iron satin black.
11. Square the wood and chamfer the upper edges of both pieces.
12. Finish the wood to your individual preference.
13. Fasten the wood to the angle iron.

## 39. Chair



This chair and the dining table described in Project No. 40 are pieces of furniture that have proven popular in the homes of today.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Mild Steel	2	$\frac{3}{8}$ " Square x 38"	Front Legs and Back Brace
Mild Steel	2	$\frac{3}{8}$ " Square x 20"	Rear Legs
Mild Steel	2	$\frac{3}{8}$ " Square x 24"	Leg Braces
Mild Steel	2	$\frac{3}{8}$ " Square x 9"	Seat Braces
Mild Steel	2	$\frac{3}{8}$ " Square x 18"	Back Rest
Mild Steel	2	$\frac{3}{8}$ " Square x 10"	Back Rest
Mild Steel	2	$\frac{1}{4}$ " Round x 11"	Small Scroll
Mild Steel	2	$\frac{1}{4}$ " Round x 38"	Large Scroll
Wood	1	$\frac{3}{4}$ " x 16" x 16"	Seat
Rubber Cane Tips	4	$\frac{3}{8}$ "	...
Upholstery Material	...	...	...

### PROCEDURE:

1. Study the drawing.
2. Weld the back into a rectangle.
3. Form the back in the forming machine.

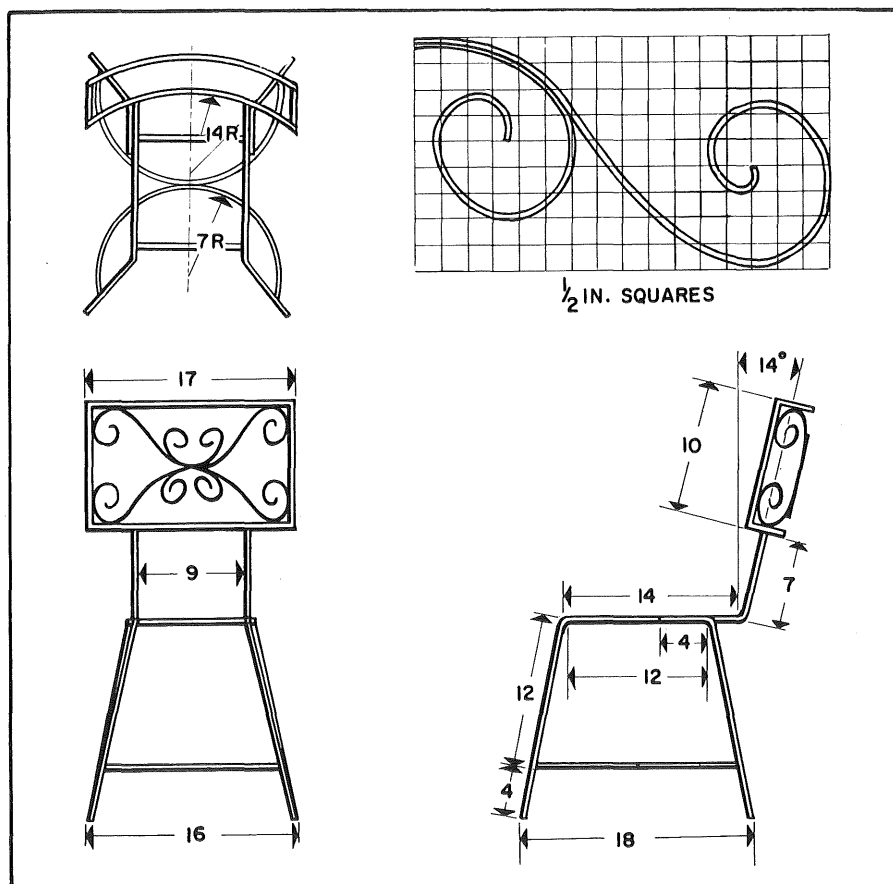
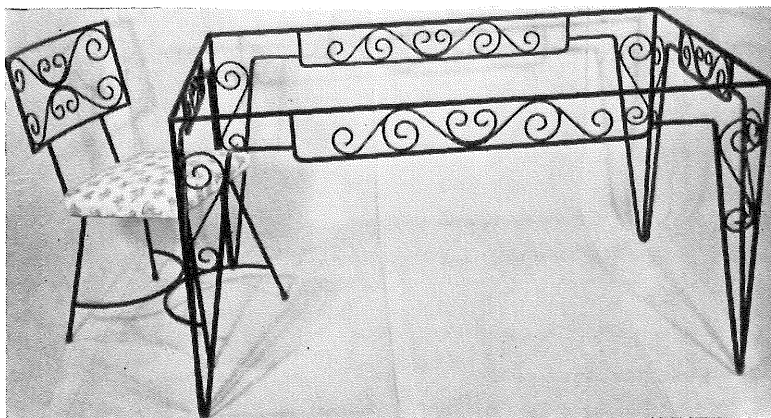


Plate 39. Chair

4. Bend the scrollwork in the forming machine.
5. Weld the scrolls in the rectangular back.
6. Bend the front legs and the back.
7. Bend the back legs.
8. Weld the front legs and back to the rectangle.
9. Weld the back legs to the front legs.
10. Bend the leg supports.
11. Weld the leg supports in place.
12. File all the beads.
13. Paint the wrought iron satin black.
14. Cut and upholster the seat.
15. Screw the seat on from the bottom.
16. Put on the rubber cane tips.

## 40. Dining Table



This attractive dining table, smartly designed with fancy scrollwork, is sturdy and hard to damage.

### MATERIALS

DESCRIPTION	NO. OF PIECES	DIMENSIONS	PART
Angle Iron	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 52"	Top Support
Angle Iron	2	$\frac{1}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " x 32"	Top Support
Mild Steel	4	$\frac{3}{8}$ " Square x 29"	Vertical Leg Pieces
Mild Steel	4	$\frac{3}{8}$ " Square x 64"	Diagonal Leg Pieces
Mild Steel	2	$\frac{3}{8}$ " Square x 24"	End Frames
Mild Steel	2	$\frac{3}{8}$ " Square x 41"	Side Frames
Mild Steel	4	$\frac{1}{4}$ " Round x 11"	Center Scrolls
Mild Steel	4	$\frac{1}{4}$ " Round x 18"	End Scrolls
Mild Steel	2	$\frac{1}{4}$ " Round x 34"	Side Scrolls
Mild Steel	2	$\frac{1}{4}$ " Round x 32"	End Scrolls
Mild Steel	8	$\frac{1}{4}$ " Round x 29"	Leg Scrolls
Plate Glass	1	$\frac{1}{4}$ " x $31\frac{3}{4}$ " x $51\frac{3}{4}$ "	Top
Felt	1	$\frac{3}{8}$ " x 170"	Top-Edge Pad

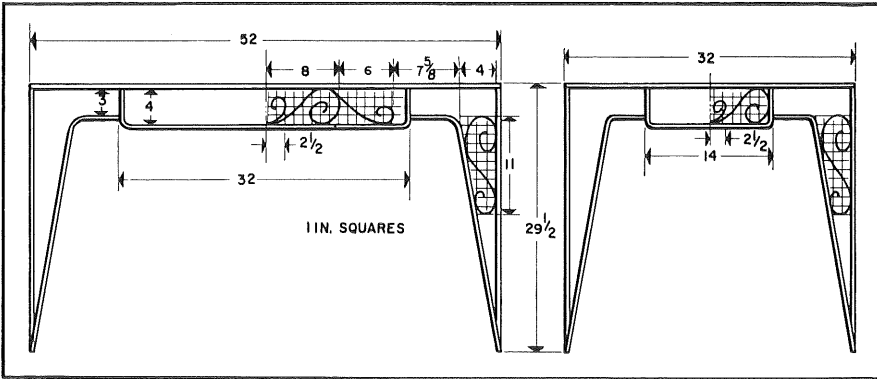


Plate 40. Dining Table

### PROCEDURE:

1. Study the drawing.
2. Cut a 45-degree angle on the ends of the angle iron for forming corners.
3. Weld the angle iron together at the corners.
4. Bend the frame for the scrollwork.
5. Bend the scrolls to fit the frame.
6. Weld the scrolls in the frame.
7. Weld the frame to the top.
8. Form the legs.
9. Weld the legs to the frame.
10. Weld in the center legs.
11. Form the leg scrolls.
12. Weld in the leg scrolls.
13. File all the beads.
14. Paint the wrought iron black, white, or pink.
15. Place the felt on the angle iron.
16. Put in the glass top.





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